



**Pacific Gas and
Electric Company**

James R. Becker
Vice President-Diablo Canyon
Operations and Station Director

Diablo Canyon Power Plant
P.O. Box 56
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Date: October 20, 2004

PG&E Letter DCL-2004-589

Certified/Return Receipt
#7003-3110-0005-7002-7790

California Regional Water Quality Control Board
Central Coast Region
Attn: Monitoring and Reporting Review Section
895 Aerovista, #101
San Luis Obispo, CA 93401-7906

Dear Mr. Briggs:

In accordance with Order 90-09, NPDES No. CA0003751, enclosed is the Third Quarter 2004 Report on Discharge Monitoring at Diablo Canyon Power Plant (Enclosure 1).

Facility Name: Pacific Gas & Electric Company
Diablo Canyon Power Plant

Address: P.O. Box 56
Avila Beach, CA 93424

Contact Person: Bryan Cunningham
Job Title: Supervisor, Environmental Operations
Phone Number: 545-4439

WDR/NPDES Order Number: Order No. 90-09, NPDES No. CA0003751

Type of Report: (check one) **QUARTERLY** **ANNUAL**

Quarter: (check one): 1st 2nd 3rd 4th

Year: 2004 (Annual Reports for DCCPP are Jan-Dec)

Violation(s) (Place an X by the appropriate choice): **No** (there are no violations to report) **Yes**

TEQS

If Yes is marked (complete a-g):

a) Parameter(s) in Violation:

**b) Section(s) of WDR/NPDES
Violated:**

c) Reported Value(s)

**d) WDR/NPDES
Limit/Condition:**

e) Dates of Violation(s)
(reference page of report/data sheet):

f) Explanation of Cause(s):
(attach additional information as needed)

(If "YES", see overview section of attached report)

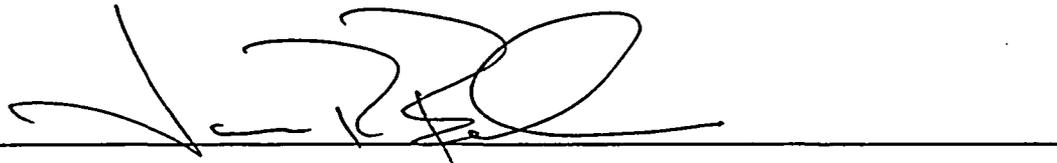
g) Corrective Action(s):
(attach additional information as needed)

(If "YES", see overview section of attached report)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. The results of the influent and effluent monitoring presented are the observed results of the measurements and analyses required by the monitoring program, and is neither an assertion of the adequacy of any instrument reading or analytical result, nor an endorsement of the appropriateness of any analytical or measurement procedure. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please contact Bryan Cunningham at (805) 545 - 4439.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. R. Becker', is written over a solid horizontal line.

Name: James R. Becker
Title: *Vice President - Diablo Canyon Operations and Station Director*

PG&E Ltr DCL-2004-589
Mr. Briggs, CRWQCB
October 20, 2004
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cc: Michael Thomas, CCRWQCB
895 Aerovista, #101
San Luis Obispo, CA 93401-7906

California Department of Fish and Game
20 Lower Ragsdale, Suite 100
Monterey, California 93490

Regional Administrator, Region 9
U. S. Environmental Protection Agency
75 Hawthorne Street
San Francisco, CA 94105
Attention: Carey Houk (W-5-3)

Resident Inspector, David Proulx
U.S. Nuclear Regulatory Commission
Diablo Canyon Power Plant 104/5

Regional Administrator
U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Dr., Suite 400
Arlington, TX 76011-4005

Director, Division of Reactor Projects
U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Dr., Suite 400
Arlington, TX 76011-4005

Document Control Desk
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Enclosure

ENCLOSURE 1

THIRD QUARTER 2004

REPORT ON DISCHARGE MONITORING AT
DIABLO CANYON POWER PLANT

PACIFIC GAS AND ELECTRIC COMPANY
NUCLEAR POWER GENERATION

Third Quarter 2004

REPORT ON
DISCHARGE MONITORING AT
DIABLO CANYON POWER PLANT

(NPDES No. CA0003751)

PACIFIC GAS AND ELECTRIC COMPANY

Third Quarter 2004

REPORT ON DISCHARGE MONITORING AT
DIABLO CANYON POWER PLANT

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OVERVIEW

1. During the third quarter of 2004, discharges occurred from Discharge Paths 001 (once through cooling water), 001B, 001D, 001E, 001F, 001G, 001H, 001J, 001L, 001N, 001P, 001M, and 002 through 006. No discharges occurred from Discharge Paths 001I, 001K, 007 through 017. A list of all of the permit discharge pathways, including name and number, is provided in **Appendix 1**.
2. The substances listed in Table B of the 1990 California Ocean Plan were each analyzed for and reported in the permit renewal application for Diablo Canyon submitted in 1994. There have been no changes in the activities conducted at the plant that would have significantly affected the results previously reported in the 1994 renewal application. California Ocean Plan Table B substances that were not analyzed for this quarter were not added to the discharge stream.
3. During the third quarter of 2004, maintenance activities that required draining of closed cooling water systems were performed and are summarized below. PG&E received concurrence from the CCRWQCB in a letter dated July 19, 1995 and another letter dated May 19, 1997 (PG&E Letter DCL-95-156 and PG&E Letter DCL-97-533, respectively) regarding the use of glutaraldehyde and isothiazolin to control microbiological growth and corrosion in PG&E's closed cooling water systems. Discharges are drained at a flow rate such that the chronic toxicity level would be below the "No Observable Effect Concentration" (NOEC) at NPDES Discharge 001.

Date	System	Volume (gal)	Glutaraldehyde (mg/l)	Isothiazolin (mg/l)
07/15/04	Unit 1 SCW	3300	130	7.3
08/01/04	Unit 1 CCW	2672	250	0.0
08/31/04	Unit 1 CCW	22650	219	0.0
09/01/04	Unit 1 CCW	68850	219	0.0
09/02/04	Unit 1 CCW	67700	219	0.0
09/03/04	Unit 1 CCW	20800	219	0.0

4. During the third quarter of 2004, Unit 1 discharge chlorine monitoring interruptions occurred. For each interruptions, an engineering evaluation was completed in accordance with PG&E's January 5, 1994, letter as authorized by the CCRWQCB. The calculated chlorine discharge values from the engineering evaluations were well below the 89 ppb Ocean Plan limit. Below is a summary of the interruptions and corrective actions taken.

Date	Chlorination Cycle Monitoring interruptions	Chlorine disch ppb value	Cause	Corrective Action
07/03/04 through 07/06/04	Unit 1 Monitor sample flow was below the minimum	<10 - 14	Ocean debris clogging sample lines	Flush sample lines. Flow returned to normal.
08/10/04 to 08/11/04	Unit 1 Monitor sample flow was below the minimum	10	Ocean debris clogging sample lines system	Upper flow block cleaned proper sample flow restored
08/18/04 through 08/19/04	Unit 1 Monitor air mix supply stuck shut	<10	Salt buildup on small rubber check valve	Check valve cleaned. Air flow returned to normal.

5. The first of two liquid 001D composite samples for the 3rd quarter of 2004 was prepared on July 1, 2004, and delivered to FGL Environmental on July 21, 2004 for required metals analysis. Analysis for mercury in this sample was performed on July 30, 2004. The result was ND(0.0001) mg/L. When this result was reported, the contract lab identified that the sample had been correctly preserved, but that the 28-day maximum sample hold time had been exceeded. It is not believed that any measurable loss of analyte from the sample occurred during the excess hold time because the sample was acidified and correctly refrigerated. FGL Environmental has performed a cause evaluation to determine why the sample was not analyzed within the 28-day maximum hold and will implement corrective actions. The second composite sample for 001D yielded the same analytical result and was analyzed within the 28-day maximum sample hold time.
6. The quarterly ammonia sample for 001D is normally collected and analyzed in July. Due to instrument problems, this sample was not collected and analyzed until September. The analysis results are included in the September data. The instrument problems have been resolved and the instrument is now fully operational.

SUMMARY OF MONITORING PROGRAM

A. Monitoring of Plant Influent and Effluent

1. The results of the July, August, and September 2004 plant influent and effluent monitoring are reported on Discharge Self Monitoring Report (DSMR) forms in **Appendices 2, 3, and 4**, respectively.
2. The laboratory report for one acute bioassay on water sampled from Discharge 001, performed July 28 - August 1, 2004, is included in **Appendix 5**. The bioassay results show that acute toxicity was 0.00 TUa (no mortality).
3. The laboratory report for one chronic bioassay on water sampled from Discharge 001, performed July 29 - 31, 2004, is included in **Appendix 6**. The bioassay results show that chronic toxicity was 1.0 TUc (no chronic toxicity).

B. Monitoring of Receiving Waters

1. Ecological Studies at Diablo Canyon

Ecological studies in the vicinity of Diablo Cove conducted during the third quarter continued under the Diablo Canyon Receiving Water Monitoring Program (RWMP) as requested in a letter from the Central Coast Regional Water Quality Control Board (CCRWQCB) dated December 9, 1998 and as detailed in a letter (DCL-99-503) from PG&E dated January 8, 1999. This program includes tasks from the Ecological Monitoring Program (EMP) with additional stations and increased sampling frequencies. This program replaces the EMP and the Thermal Effects Monitoring Program (TEMP).

2. In Situ Bioassay

Results of the Mussel Watch Program will be reported to the CCRWQCB directly from the California Department of Fish and Game in their periodic report for this program.

C. Acti-Brom Treatment Program

After a test comparing Acti-Brom and sodium bromide, Diablo Canyon Power Plant has discontinued the use of the proprietary chemical Acti-Brom to control the growth of macrofouling organisms in its main circulating water conduits. Sodium bromide has been used for macrofouling control for both Units since the middle of July 2004. Both circulating water conduits of each Unit can be chemically treated simultaneously. Each treated conduit typically receives a twenty-minute injection every four hours (six injections a day) of sodium bromide in combination with sodium hypochlorite (NaOCl). Each injection attempts to achieve a target concentration of 200 parts per billion Total Residual Oxidant (TRO) when measured at the inlet waterbox of the condenser. Discharge TRO, measured at the plant outfall, remains below NPDES limitations.

Unit 1 started the third quarter with simultaneous injections of Acti-Brom and sodium hypochlorite six times a day. In mid July, Acti-Brom was replaced with sodium bromide for macrofouling control. Simultaneous sodium bromide and sodium hypochlorite injections continued through the rest of the quarter with brief interruptions in August and September due to a programming error and maintenance activities.

Conduit 2-1 was treated throughout the third quarter with injections of sodium hypochlorite six times daily for condenser microfouling control. Conduit 2-2 was treated throughout the third quarter with simultaneous injections of sodium bromide and sodium hypochlorite six times a day for macrofouling and microfouling control. There were brief interruptions in treatment for both conduits in July, August and September due to maintenance activities.

APPENDIX 1

DIABLO CANYON POWER PLANT

NPDES DISCHARGE POINTS	
DISCHARGE NUMBER	DESCRIPTION
001	Once-Through Cooling Water
001 A	Firewater Systems
001 B	Auxiliary Salt Water Cooling System
001 C	Discharge Deleted
001 D	Liquid Radioactive Waste Treatment System
001 E	Service Cooling Water System
001 F	Turbine Building Sump
001 G	Make-Up Water System Waste Effluent
001 H	Condensate Demineralizer Regenerant
001 I	Seawater Evaporator Blowdown
001 J	Condensate Pumps Discharge Header Overboard
001 K	Condenser Tube Sheet Leak Detection Dump Tank Overboard
001 L	Steam Generator Blowdown
001 M	Wastewater Holding and Treatment System
001 N	Sanitary Wastewater Treatment System
001 P	Seawater Reverse Osmosis System Blowdown
002	Intake Structure Building Floor Drains
003	Intake Screen Wash
004	Bio Lab and Storm Water Runoff
005, 008, 009, 013, 014, 015	Yard Storm Drains
006, 007, 010, 011, 012	Storm Water Runoff
016	Bio Lab Seawater Supply Pump Valve Drain
017	Seawater Reverse Osmosis System Blowdown Drain

APPENDIX 2

DIABLO CANYON POWER PLANT

Influent and Effluent Monitoring

July 2004

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
31 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3402003001	YEAR / MO / DAY BEGINNING 04 / 07 / 01		YEAR / MO / DAY ENDING 04 / 07 / 31		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 TEMPERATURE DEGREES F METERED CONTINUOUS	DELTA TEMP TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 FLOW MGD RECORDED DAILY	INFLUENT pH pH UNITS GRAB MONTHLY	EFFLUENT 001 pH pH UNITS GRAB MONTHLY (**)	EFFLUENT 001P pH pH UNITS GRAB MONTHLY	EFFLUENT 002 pH pH UNITS GRAB MONTHLY
1	54.6	74.1	19.5	2486				
2	54.7	73.6	18.9	2486				
3	55.2	74.0	18.8	2486				
4	55.9	75.0	19.1	2486				
5	56.1	75.0	18.9	2486				
6	56.6	76.4	19.8	2486				
7	56.4	75.4	19.0	2486			2	7.8
8	57.4	76.7	19.3	2486				2
9	57.5	77.5	20.0	2486				
10	55.0	75.0	20.0	2486				
11	53.8	73.5	19.7	2486				
12	53.0	72.7	19.7	2486				
13	52.1	71.8	19.7	2486				
14	52.5	72.1	19.6	2486				
15	53.8	73.3	19.5	2486				
16	54.1	73.9	19.8	2486				
17	54.1	74.0	19.9	2486				
18	53.5	73.3	19.8	2486				
19	53.0	72.8	19.8	2486	7.9	7.9		
20	52.3	72.1	19.8	2486				
21	52.8	71.7	18.9	2486				
22	53.5	63.5	10.0	2486				
23	53.5	63.5	10.0	2486				
24	53.9	68.3	14.4	2486				
25	53.5	71.5	18.0	2174				
26	53.4	72.3	18.9	2486				
27	53.7	72.9	19.2	2486				
28	54.3	73.5	19.2	2486				
29	54.3	73.6	19.3	2486				
30	54.5	73.7	19.2	2486				
31	54.3	73.4	19.1	2486				
MONTHLY AVG	54.3	72.9	18.6	2476	7.9	7.9	7.8	7.9
MONTHLY HIGH	57.5	77.5	20.0	2486	7.9	7.9	7.8	7.9
MONTHLY LOW	52.1	63.5	10.0	2174	7.9	7.9	7.8	7.9
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MAX 22 = 0	MAX 2760 = 0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED			(*)					
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** EXCEPT DURING DEMUSSELING.
*** DAILY WHEN DISCHARGING CHEMICAL CLEANING WASTES FROM DISCHARGES 001D, F, I, L, AND/OR M.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004
<i>Steve Wynn</i>	

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
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AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	04 / 07 / 01	ENDING	04 / 07 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 pH pH UNITS GRAB MONTHLY	EFFLUENT 004 pH pH UNITS GRAB MONTHLY	EFFLUENT 001N OIL & GREASE mg/l COMPOSITE WEEKLY	EFFLUENT 001P OIL & GREASE mg/l GRAB WEEKLY (**)	EFFLUENT 003 OIL & GREASE mg/l GRAB WEEKLY (**)	EFFLUENT 001F OIL & GREASE mg/l GRAB MONTHLY	EFFLUENT 001 T CHLOR RES ug/l GRAB (****) 2 per CYCLE	EFFLUENT 001 CHLORINE USED lbs/day RECORDED MONTHLY
1							29	484
2			3	ND(5)			17	511
3							14*****	518
4							12*****	518
5							< 10*****	518
6							< 10*****	518
7		8.0					< 10	533
8	8.0		3	ND(5)		< 3	< 10	566
9							11	605
10							13	605
11							14	605
12							14	605
13			3	ND(5)			17	605
14							14	605
15							22	605
16							24	605
17							24	605
18							20	605
19							20	605
20							24	605
21							24	605
22			3	ND(5)			51	583
23							56	562
24							22	562
25							< 13	475
26							< 10	518
27			3	ND(5)			< 10	518
28							< 10	518
29							38	518
30							32	518
31							29	518
MONTHLY AVG	8.0	8.0	ND(5)	NO	NO	< 3	18	559
MONTHLY HIGH	8.0	8.0	ND(5)	DISCHARGE	DISCHARGE	< 3	56	605
MONTHLY LOW	8.0	8.0	ND(5)			< 3	< 10	475
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	I MAX 200 = 0	NO LIMIT
TIMES EXCEEDED			D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0		
TIMES EXCEEDED								

REMARKS:

- * NUMBER OF SAMPLES TAKEN DURING THE DAY.
- ** WHEN 001N IS DISCHARGING TO 001P.
- *** WHEN 001P IS DISCHARGING TO 003.
- **** CONTINUOUS CHLORINE MONITORING USED INSTEAD OF GRAB SAMPLE ANALYSIS.
- ***** ENGINEERING EVALUATION PERFORMED FOR SOME RESULTS. SEE "OVERVIEW" SECTION.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 04 / 07 / 01		YEAR / MO / DAY ENDING 04 / 07 / 31		STATE CODE 06		NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFF 001N=>003 TOTL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFF 001N=>003 FECAL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFFLUENT 001D SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY			EFFLUENT 001F SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY			
1			2						
2									
3									
4									
5									
6									
7									
8			2	45	2	3	2	41	
9				1				ND(5)	
10									
11									
12									
13									
14									
15									
16									
17									
18									
19							5	< 1	ND(5)
20									
21			2	29			2	29	
22									
23			2	41			2	41	
24									
25									
26									
27							2	9	2
28									
29									
30									
31			5				5		
MONTHLY AVG	NO DISCHARGE	NO DISCHARGE			**	8			< 5
MONTHLY HIGH						47			9
MONTHLY LOW						ND(5)			ND(5)
TIMES EXCEEDED	80% SMPLS>1K	MEAN>200 =	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	NO LIMIT	MO AVG 30 = 0
TIMES EXCEEDED		90 % SMPLS>400			D MAX 100 = 0				D MAX 100 = 0
TIMES EXCEEDED	1 MAX >10K								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** FLOW-WEIGHTED AVERAGES REPORTED.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT
Lance Hopson
DATE
10/20/2004

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STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001G SUSPENDED SOLIDS			EFFLUENT 001H SUSPENDED SOLIDS			STATE CODE	NPDES PERMIT #
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET		
	YEAR / MO / DAY BEGINNING 04 / 07 / 01			YEAR / MO / DAY ENDING 04 / 07 / 31			06	CA0003751
1								
2								
3				< 1	< 1	ND(5)		
4								
5								
6								
7	< 1	< 1	ND(5)					
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG			ND(5)			ND(5)		
MONTHLY HIGH			ND(5)			ND(5)		
MONTHLY LOW			ND(5)			ND(5)		
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30=0	NO LIMIT	NO LIMIT	MO AVG 30=0		
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0		
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

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<i>Lance Hopson</i>	10/20/2004

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FACILITY I.D. 3 402003001		YEAR / MO / DAY BEGINNING 04 / 07 / 01			YEAR / MO / DAY ENDING 04 / 07 / 31			STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001I SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY			EFFLUENT 001J SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY					
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23					1			ND(5)	
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG	NO DISCHARGE						ND(5)		
MONTHLY HIGH							ND(5)		
MONTHLY LOW							ND(5)		
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0			
TIMES EXCEEDED			MAX 100 = 0			MAX 100 = 0			
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

CALIFORNIA REGIONAL WATER QUALITY
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31 HIGUERA
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AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001 YEAR / MO / DAY BEGINNING 04 / 07 / 01 YEAR / MO / DAY ENDING 04 / 07 / 31 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001K SUSPENDED SOLIDS			EFFLUENT 001L SUSPENDED SOLIDS			
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	
1							
2							
3							
4							
5							
6							
7				2 <	1	2 <	1
8							ND(5)
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
MONTHLY AVG	NO DISCHARGE						ND(5)
MONTHLY HIGH							ND(5)
MONTHLY LOW							ND(5)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0	
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0	
TIMES EXCEEDED							

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004
<i>Jane Wynne</i>	

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
91 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #
3402003001	BEGINNING	04 / 07 / 01	ENDING	04 / 07 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPLE TYPE FREQ.	EFFLUENT 001M SUSPENDED SOLIDS			EFFLUENT 001N SUSPENDED SLDS	EFFLUENT 001P SUSPENDED SOLIDS			
	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	mg/l COMPOSITE WEEKLY	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	
1								
2				15				
3								
4								
5								
6								
7	2	4	2	ND(5)	2	< 1	ND(5)	
8				6				
9								
10								
11								
12								
13				9				
14								
15								
16								
17								
18								
19								
20								
21								
22				12				
23								
24	2	4	2	ND(5)				
25								
26								
27				10				
28								
29								
30								
31								
MONTHLY AVG			ND(5)	10			ND(5)	
MONTHLY HIGH			ND(5)	15			ND(5)	
MONTHLY LOW			ND(5)	6			ND(5)	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 60 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0	
TIMES EXCEEDED			D MAX 100 = 0				D MAX 100 = 0	
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i> <i>Steve Hymn</i>	10/20/2004

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
31 HIGUERA
SAN LUIS OBISPO CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001 YEAR / MO / DAY BEGINNING 04 / 07 / 01 YEAR / MO / DAY ENDING 04 / 07 / 31 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 002 SUSPENDED SOLIDS			EFFLUENT 003 SUSPENDED SOLIDS					
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET			
1									
2									
3									
4									
5									
6									
7	2	< 1	2	< 1	2	ND(5)			
8				2	6	2	1	2	5
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG									
MONTHLY HIGH									
MONTHLY LOW									
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0			
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0			
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

Lance Hopson

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #	
3 402003001	BEGINNING	04 / 07 / 01	ENDING	04 / 07 / 31			06	CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 SUSPENDED SOLIDS			EFFLUENT 001N SETTLED SOLIDS	EFFLUENT 001 T CHROMIUM	EFFLUENT 001 COPPER	EFFLUENT 001 NICKEL	EFFLUENT 001 ZINC	
	mg/l 1st FLTR	mg/l 2nd FLTR	mg/l NET	ml/l GRAB WEEKLY	ug/l GRAB MONTHLY	ug/l GRAB MONTHLY	ug/l GRAB MONTHLY	ug/l GRAB MONTHLY	
	WEEKLY WHEN 001N & 001P => 003								
1									
2				ND(0.1)					
3									
4									
5									
6									
7									
8				ND(0.1)					
9									
10									
11									
12									
13				ND(0.1)					
14									
15									
16									
17									
18									
19					ND(10)	ND(10)	13		ND(10)
20									
21									
22				ND(0.1)					
23									
24									
25									
26									
27				ND(0.1)					
28									
29									
30									
31									
MONTHLY AVG	NO			ND(0.1)	ND(10)	ND(10)	13	ND(10)	
MONTHLY HIGH	DISCHARGE			ND(0.1)	ND(10)	ND(10)	13	ND(10)	
MONTHLY LOW				ND(0.1)	ND(10)	ND(10)	13	ND(10)	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 1.0 = 0	6M-MED 10 = 0	6M-MED 10 = 0	6M-MED 30 = 0	6M-MED 70 = 0	
TIMES EXCEEDED			D MAX 100 = 0	D MAX 3.0 = 0	D MAX 40 = 0	D MAX 50 = 0	D MAX 100 = 0	D MAX 380 = 0	
TIMES EXCEEDED					I MAX 100 = 0	I MAX 140 = 0	I MAX 260 = 0	I MAX 990 = 0	

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

John Wynn

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 04 / 07 / 01		YEAR / MO / DAY ENDING 04 / 07 / 31		STATE CODE 06	NPDES PERMIT # CA0003751			
STATION ANALYSIS UNITS SMPL TYPE FREQ	INFLUENT T CHROMIUM ug/l GRAB JA/AP/JUL/OCT	INFLUENT COPPER ug/l GRAB JA/AP/JUL/OCT	INFLUENT NICKEL ug/l GRAB JA/AP/JUL/OCT	INFLUENT AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001D OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001G OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001H OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	
1						3			
2									
3								< 3	
4									
5									
6									
7									
8						8			
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19	ND(10)	ND(10)	11				< 3		
20									
21						3			
22									
23						11			
24									
25									
26									
27									
28									
29									
30									
31						4			
MONTHLY AVG	ND(10)	ND(10)	11	***	***	4	< 3	< 3	
MONTHLY HIGH	ND(10)	ND(10)	11			11	< 3	< 3	
MONTHLY LOW	ND(10)	ND(10)	11			3	< 3	< 3	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	6M-MED 3060 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	
TIMES EXCEEDED					D MAX 12240 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	
TIMES EXCEEDED					I MAX 30600 = 0				

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** FLOW-WEIGHTED AVERAGE RESULT REPORTED.
*** SAMPLED IN SEPTEMBER DUE TO INSTRUMENT PROBLEMS

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
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81 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 04 / 07 / 01		YEAR / MO / DAY ENDING 04 / 07 / 31		STATE CODE 06	NPDES PERMIT # CA0003751			
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001I OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001J OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001K OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001L OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001M OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001P OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 002 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 003 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	
1									
2									
3									
4									
5									
6									
7					< 3				
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19				< 3		2	< 3	< 3	
20									
21									
22									
23		< 3							
24					< 3				
25									
26									
27						< 3			
28									
29									
30									
31									
MONTHLY AVG	NO DISCHARGE	< 3	NO DISCHARGE	< 3	< 3	< 3	< 3	< 3	
MONTHLY HIGH		< 3		< 3	< 3	< 3	< 3	< 3	
MONTHLY LOW		< 3		< 3	< 3	< 3	< 3	< 3	
TIMES EXCEEDED	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0						
TIMES EXCEEDED	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0						
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
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81 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

PAGE: (Q) 3

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 004 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 TOX CONCEN TU GRAB JA/AP/JUL/OCT	EFFLUENT 001D CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F CADMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT		FACILITY I.D.	YEAR / MO / DAY BEGINNING	YEAR / MO / DAY ENDING	STATE CODE	NPDES PERMIT #
								3 402003001	04 / 07 / 01	04 / 07 / 31	06	CA0003751
1			0.3									
2												
3												
4				1.1								
5				3.0								
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16					2	ND(0.2)	0.3					
17												
18												
19	< 3		0.4									
20												
21												
22												
23												
24												
25												
26												
27												
28		0.00										
29												
30												
31												
MONTHLY AVG	< 3	0.00	0.4	2.1	ND(0.2)	0.3						
MONTHLY HIGH	< 3	0.00	0.4	3.0	ND(0.2)	0.3						
MONTHLY LOW	< 3	0.00	0.3	1.1	ND(0.2)	0.3						
TIMES EXCEEDED	MO AVG 15 = 0		NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT						
TIMES EXCEEDED	D MAX 20 = 0											
TIMES EXCEEDED	6M-MED 0.26=0											

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3402003001	BEGINNING	04 / 07 / 01	ENDING	04 / 07 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPLE TYPE FREQ.	EFFLUENT 001D CHROMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H T CHROMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L T CHROMIUM ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F T CHROMIUM ug/1 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D COPPER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H COPPER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L COPPER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F COPPER ug/1 1 WEEK COMP JA/AP/JUL/OCT
1	ND(1)				43			
2								
3								
4		8				37		
5		30				148		
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16			2	ND(1)	4		2	4
17								
18								
19	3				12			
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	2	19	ND(1)	4	28	93	4	12
MONTHLY HIGH	3	30	ND(1)	4	43	148	7	12
MONTHLY LOW	ND(1)	8	ND(1)	4	12	37	1	12
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
-GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

PAGE: (Q) 5

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	04 / 07 / 01	ENDING	04 / 07 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F LEAD ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F MERCURY ug/l 1 WEEK COMP JA/AP/JUL/OCT
1	0.5				ND(0.1)			
2								
3								
4		4.4				ND(0.1)		
5		8.8				ND(0.1)		
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16			2	0.5	1.2		2	ND(0.1)
17								ND(0.1)
18								
19	5.2				ND(0.1)			
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	2.9	6.6	0.5	1.2	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
MONTHLY HIGH	5.2	8.8	0.7	1.2	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
MONTHLY LOW	0.5	4.4	0.3	1.2	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i> <i>John Wynn</i>	10/20/2004

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

PAGE: (Q) 6

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3402003001	BEGINNING	04 / 07 / 01	ENDING	04 / 07 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPLE TYPE FREQ.	EFFLUENT 001D NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F NICKEL ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F SILVER ug/l 1 WEEK COMP JA/AP/JUL/OCT
1	2				ND(1)			
2								
3								
4		8				ND(1)		
5		30				ND(1)		
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16			2	ND(1)	8		ND(1)	ND(1)
17								
18								
19	14				ND(1)			
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	8	19	ND(1)	8	ND(1)	ND(1)	ND(1)	ND(1)
MONTHLY HIGH	14	30	ND(1)	8	ND(1)	ND(1)	ND(1)	ND(1)
MONTHLY LOW	2	8	ND(1)	8	ND(1)	ND(1)	ND(1)	ND(1)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i> <i>Lance Hopson</i>	10/20/2004

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
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AVILA BEACH, CALIF 93424

PAGE: (Q) 7

FACILITY I.D. 3 402003001 YEAR / MO / DAY BEGINNING 04 / 07 / 01 YEAR / MO / DAY ENDING 04 / 07 / 31 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001D ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F ZINC ug/l 1 WEEK COMP JA/AP/JUL/OCT	
1	30				
2					
3					
4		ND(10)			
5		40			
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16			2	ND(10)	10
17					
18					
19	190				
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
MONTHLY AVG	110	20	ND(10)	10	
MONTHLY HIGH	190	40	ND(10)	10	
MONTHLY LOW	30	ND(10)	ND(10)	10	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED					
TIMES EXCEEDED					

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

Lance Hopson

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 04 / 07 / 01		YEAR / MO / DAY ENDING 04 / 07 / 31		STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SNPL TYPE FREQ.	EFFLUENT 001D COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M COPPER mg/l 24-HR COMP. METAL CLNG	
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31						
MONTHLY AVG MONTHLY HIGH MONTHLY LOW	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	
TIMES EXCEEDED TIMES EXCEEDED TIMES EXCEEDED	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

Jana Payne

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

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DIABLO CANYON NUCLEAR POWER PLANT
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AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #
3 402003001	BEGINNING	04 / 07 / 01	ENDING	04 / 07 / 31	06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M IRON mg/l 24-HR COMP. METAL CLNG	
1						
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27						
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30						
31						
MONTHLY AVG MONTHLY HIGH MONTHLY LOW	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	
TIMES EXCEEDED	MO AVG 1 = 0					
TIMES EXCEEDED	D MAX 1 = 0					
TIMES EXCEEDED						

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
Lance Hopson <i>Lance Hopson</i>	10/20/2004

CALIFORNIA REGIONAL WATER QUALITY
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81 HIGUERA
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3402003001 YEAR / MO / DAY BEGINNING 04 / 07 / 01 YEAR / MO / DAY ENDING 04 / 07 / 31 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SML TYPE FREQ.	EFFLUENT 001 TITANIUM ug/l GRAB OCTOBER	INFLUENT ARSENIC ug/l GRAB OCTOBER	EFFLUENT ARSENIC ug/l GRAB OCTOBER	INFLUENT CADMIUM ug/l GRAB OCTOBER	EFFLUENT 001 CADMIUM ug/l GRAB OCTOBER	INFLUENT LEAD ug/l GRAB OCTOBER	EFFLUENT 001 LEAD ug/l GRAB OCTOBER	INFLUENT ZINC ug/l GRAB OCTOBER
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24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG							**	14
MONTHLY HIGH								14
MONTHLY LOW								14
TIMES EXCEEDED	NO LIMIT	NO LIMIT	6M-MED 30 = 0	NO LIMIT	6M-MED 10 = 0	NO LIMIT	6M-MED 10 = 0	NO LIMIT
TIMES EXCEEDED			D MAX 150 = 0		D MAX 20 = 0		D MAX 40 = 0	
TIMES EXCEEDED			I MAX 400 = 0		I MAX 50 = 0		I MAX 100 = 0	

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
 ** INFLUENT ANALYSIS PERFORMED FOR COMPARISON TO EFFLUENTS.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i> <i>Lance Hopson</i>	10/20/2004

CALIFORNIA REGIONAL WATER QUALITY
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31 HIGUERA
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
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FACILITY I.D. 3402003001	YEAR / MO / DAY BEGINNING 04 / 07 / 01		YEAR / MO / DAY ENDING 04 / 07 / 31		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	INFLUENT MERCURY ug/l GRAB OCTOBER	EFFLUENT 001 MERCURY ug/l GRAB OCTOBER	INFLUENT SILVER ug/l GRAB OCTOBER	EFFLUENT 001 SILVER ug/l GRAB OCTOBER	INFLUENT CYANIDE ug/l GRAB OCTOBER	EFFLUENT 001 CYANIDE ug/l GRAB OCTOBER	INFLUENT PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER	EFFLUENT 001 PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER
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28								
29								
30								
31								
MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	NO LIMIT	6M-MED 0.2=0	NO LIMIT	6M-MED 2.9=0	NO LIMIT	6M-MED 30=0	NO LIMIT	6M-MED 150=0
TIMES EXCEEDED		DMAX 0.8 = 0		DMAX 13.6=0		DMAX 100=0		DMAX 610= 0
TIMES EXCEEDED		IMAX 2 = 0		IMAX 35= 0		IMAX 260=0		IMAX 1530=0

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i> <i>Steve Byss</i>	10/20/2004

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
31 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 04 / 07 / 01		YEAR / MO / DAY ENDING 04 / 07 / 31		STATE CODE 06	NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPLE TYPE FREQ.	INFLUENT CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001 CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001D LITHIUM mg/l GRAB OCTOBER	EFFLUENT 001D BORON mg/l GRAB OCTOBER	EFFLUENT 001D HYDRAZINE mg/l GRAB OCTOBER	EFFLUENT 005 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 008 OIL & GREASE mg/l GRAB OCTOBER
1							
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31							
MONTHLY AVG MONTHLY HIGH MONTHLY LOW							
TIMES EXCEEDED TIMES EXCEEDED TIMES EXCEEDED	NO LIMIT	6M-MED 10=0 D MAX 20=0 I MAX 50=0	NO LIMIT	NO LIMIT	NO LIMIT	MO AVG 15=0 D MAX 20=0	MO AVG 15=0 D MAX 20=0

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i> <i>Lance Hopson</i>	10/20/2004

CALIFORNIA REGIONAL WATER QUALITY
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FACILITY I.D. 3 402003001 YEAR / MO / DAY BEGINNING 04 / 07 / 01 YEAR / MO / DAY ENDING 04 / 07 / 31 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 009 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 013 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 015 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 016 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 017 OIL & GREASE mg/l GRAB OCTOBER	INFLUENT PCB'S ug/l GRAB OCTOBER	EFFLUENT 001 PCB'S ug/l GRAB OCTOBER	
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24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG MONTHLY HIGH MONTHLY LOW								
TIMES EXCEEDED	MO AVG 15=0	NO LIMIT	NO LIMIT					
TIMES EXCEEDED	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX20=0			
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004
<i>James Hopson</i>	

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3402003001 YEAR / MO / DAY BEGINNING 04 / 07 / 01 YEAR / MO / DAY ENDING 04 / 07 / 31 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001N SLUDGE MOISTURE % GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT KJLDL N mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE AMMONIA (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NITRATE (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT PHOSPHS mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE pH pH units GRAB OCTOBER	EFFLUENT 001N SLUDGE OIL & GREASE mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE BORON mg/kg GRAB OCTOBER
1								
2								
3								
4								
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26								
27								
28								
29								
30								
31								
MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i> <i>Lance Hopson</i>	10/20/2004

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
31 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
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AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 04 / 07 / 01		YEAR / MO / DAY ENDING 04 / 07 / 31		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001N SLUDGE CADMIUM mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE COPPER mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE CHROMIUM mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE LEAD mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NICKEL mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE MERCURY mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE ZINC mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE VOLUME tons OCTOBER
1								
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4								
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6								
7								
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15								
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22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	
TIMES EXCEEDED	10 mg/kg=0	250 mg/kg=0	50 mg/kg=0	50 mg/kg=0	200 mg/kg=0	2 mg/kg=0	2500 mg/kg=0	
TIMES EXCEEDED	TTL<100=0	TTL<2500=0	TTL<500=0	TTL<1000=0	TTL<2000=0	TTL<20=0	TTL<5000=0	

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004
<i>Cherise Hopson</i>	

APPENDIX 3
DIABLO CANYON POWER PLANT

Influent and Effluent Monitoring

August 2004

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

PAGE: (M) 1

FACILITY I.D.	YEAR/MO/DAY		YEAR/MO/DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	04 / 08 / 01	ENDING	04 / 08 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 TEMPERATURE DEGREES F METERED CONTINUOUS	DELTA TEMP TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 FLOW MGD RECORDED DAILY	INFLUENT pH pH UNITS GRAB MONTHLY	EFFLUENT 001 pH pH UNITS GRAB MONTHLY (**)	EFFLUENT 001P pH pH UNITS GRAB MONTHLY	EFFLUENT 002 pH pH UNITS GRAB MONTHLY
1	54.1	73.1	19.0	2486				
2	53.8	72.9	19.1	2486				
3	53.5	72.6	19.1	2486				
4	53.3	72.3	19.0	2486				
5	54.1	73.4	19.3	2486				
6	54.9	74.6	19.7	2486				
7	54.2	74.0	19.8	2486				
8	54.2	73.9	19.7	2486				
9	53.1	72.8	19.7	2486				
10	52.4	72.0	19.6	2486	7.8	7.8	2	7.6
11	52.6	72.1	19.5	2486				
12	53.3	73.0	19.7	2486				
13	53.9	73.7	19.8	2486				
14	54.4	74.2	19.8	2486				
15	54.0	74.1	20.1	2486				
16	53.7	73.6	19.9	2486				
17	54.0	74.1	20.1	2486				
18	55.1	75.3	20.2	2486				
19	56.0	76.2	20.2	2486				
20	55.6	75.3	19.7	2486				
21	56.0	75.6	19.6	2122				
22	56.6	76.4	19.8	2486				
23	57.5	77.3	19.8	2486				
24	58.4	78.1	19.7	2486				
25	58.4	78.0	19.6	2486				
26	57.8	77.5	19.7	2486				
27	57.4	76.9	19.5	2486				
28	58.6	78.6	20.0	2486				
29	59.2	78.9	19.7	2486				
30	58.0	77.8	19.8	2486				
31	56.4	76.2	19.8	2486				
MONTHLY AVG	55.3	75.0	19.7	2474	7.8	7.8	7.6	7.8
MONTHLY HIGH	59.2	78.9	20.2	2486	7.8	7.8	7.6	7.8
MONTHLY LOW	52.4	72.0	19.0	2122	7.8	7.8	7.6	7.8
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MAX 22 = 0	MAX 2760 = 0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED			(**)					
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** EXCEPT DURING DEMUSSELING.
*** DAILY WHEN DISCHARGING CHEMICAL CLEANING WASTES FROM DISCHARGES 001D, F, I, L, AND/OR M.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i> <i>Anna Byrre</i>	10/20/2004

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	04 / 08 / 01	ENDING	04 / 08 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 pH pH UNITS GRAB MONTHLY	EFFLUENT 004 pH pH UNITS GRAB MONTHLY	EFFLUENT 001N OIL & GREASE mg/l COMPOSITE WEEKLY	EFFLUENT 001P OIL & GREASE mg/l GRAB WEEKLY (**)	EFFLUENT 003 OIL & GREASE mg/l GRAB WEEKLY (***)	EFFLUENT 001F OIL & GREASE mg/l GRAB MONTHLY	EFFLUENT 001 T CHLOR RES ug/l GRAB (****) 2 per CYCLE	EFFLUENT 001 CHLORINE USED lbs/day RECORDED MONTHLY
1							29	518
2							29	518
3							26	475
4							24	418
5						< 3	24	422
6			3	ND(5)			15	461
7							17	461
8							14	461
9							< 10	461
10	7.8	7.8	3	ND(5)		< 3	10 *****	475
11							17 *****	490
12							22	497
13							17	504
14							14	504
15							11	504
16							12	533
17							12	569
18							< 10 *****	634
19							< 10 *****	720
20			3	ND(5)			< 10	749
21							< 7	624
22							< 10	749
23							< 10	749
24			3	ND(5)			< 10	792
25							< 10	857
26							18	893
27							18	850
28							< 10	806
29							< 10	806
30							< 10	806
31							< 10	778
MONTHLY AVG	7.8	7.8	ND(5)	NO	NO	< 3	11	616
MONTHLY HIGH	7.8	7.8	ND(5)	DISCHARGE	DISCHARGE	< 3	29	893
MONTHLY LOW	7.8	7.8	ND(5)			< 3	< 7	418
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	I MAX 200 = 0	NO LIMIT
TIMES EXCEEDED			D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0		
TIMES EXCEEDED								

* NUMBER OF SAMPLES TAKEN DURING THE DAY.
 ** WHEN 001N IS DISCHARGING TO 001P.
 *** WHEN 001P IS DISCHARGING TO 003.
 **** CONTINUOUS CHLORINE MONITORING USED INSTEAD OF GRAB SAMPLE ANALYSIS.
 ***** ENGINEERING EVALUATION PERFORMED FOR SOME RESULTS. SEE "OVERVIEW" SECTION.

REMARKS:

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

CALIFORNIA REGIONAL WATER QUALITY
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PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

PAGE: (M) 3

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE		NPDES PERMIT #	
3 402003001		BEGINNING	04 / 08 / 01	ENDING	04 / 08 / 31	06		CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFF 001N=>003 TOTL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFF 001N=>003 FECAL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	mg/l 1st FLTR	EFFLUENT 001D SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	mg/l 1st FLTR	EFFLUENT 001F SUSPENDED SOLIDS mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	
1									
2									
3			3		ND(5)				
4									
5									
6			10	< 1	10				
7									
8									
9									
10						2	3	2 < 1 2	
11			2		ND(5)				
12			14		14				
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23		2	12	2 < 1	12				
24			3		ND(5)				
25									
26									
27									
28									
29									
30			8		8				
31			24		24				
MONTHLY AVG	NO DISCHARGE	NO DISCHARGE			8			ND(5)	
MONTHLY HIGH					24			ND(5)	
MONTHLY LOW					ND(5)			ND(5)	
TIMES EXCEEDED	80% SMPLS>1K	MEAN>200 =	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0	
TIMES EXCEEDED		90 % SMPLS>400			D MAX 100 = 0			D MAX 100 = 0	
TIMES EXCEEDED	1 MAX >10K								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** FLOW-WEIGHTED AVERAGES REPORTED.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
31 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

PAGE: (M) 4

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001G SUSPENDED SOLIDS			EFFLUENT 001H SUSPENDED SOLIDS			STATE CODE	NPDES PERMIT #
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET		
	YEAR / MO / DAY BEGINNING 04 / 08 / 01			YEAR / MO / DAY ENDING 04 / 08 / 31			06	CA0003751
1								
2								
3								
4								
5								
6				< 1	< 1	ND(5)		
7								
8								
9								
10	< 1		ND(5)					
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23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG			ND(5)			ND(5)		
MONTHLY HIGH			ND(5)			ND(5)		
MONTHLY LOW			ND(5)			ND(5)		
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30=0	NO LIMIT	NO LIMIT	MO AVG 30=0		
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0		
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004
<i>Anna Byers</i>	

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

PAGE: (M) 5

FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 04 / 08 / 01			YEAR / MO / DAY ENDING 04 / 08 / 31			STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 0011 SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY mg/1 NET			EFFLUENT 001J SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY mg/1 NET				
1								
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29								
30								
31								
MONTHLY AVG MONTHLY HIGH MONTHLY LOW	NO DISCHARGE			NO DISCHARGE				
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0		
TIMES EXCEEDED			MAX 100 = 0			MAX 100 = 0		
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i> <i>Steve Hryn</i>	10/20/2004

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
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81 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #
3402003001	BEGINNING	04 / 08 / 01	ENDING	04 / 08 / 31	06	CA0003751
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001K SUSPENDED SOLIDS			EFFLUENT 001L SUSPENDED SOLIDS		
	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET
1						
2						
3						
4						
5						
6						
7						
8						
9						
10				2	1	
11						
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27						
28						
29						
30						
31						
MONTHLY AVG	NO DISCHARGE					ND(5)
MONTHLY HIGH						ND(5)
MONTHLY LOW						ND(5)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0
TIMES EXCEEDED						

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

Jana Pope

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
91 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001 YEAR / MO / DAY BEGINNING 04 / 08 / 01 YEAR / MO / DAY ENDING 04 / 08 / 31 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001M SUSPENDED SOLIDS			EFFLUENT 001N SUSPENDED SLDS mg/l COMPOSITE WEEKLY	EFFLUENT 001P SUSPENDED SOLIDS		
	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET		mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET
1							
2							
3							
4	8	2	6				
5							
6				9			
7							
8							
9							
10				7	1	< 1	ND(5)
11	4	< 1	ND(5)				
12							
13							
14							
15							
16							
17							
18							
19							
20				15			
21							
22							
23							
24				6			
25							
26							
27							
28							
29							
30							
31							
MONTHLY AVG		< 5		9			ND(5)
MONTHLY HIGH			6	15			ND(5)
MONTHLY LOW			ND(5)	6			ND(5)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 60 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0
TIMES EXCEEDED			D MAX 100 = 0				D MAX 100 = 0
TIMES EXCEEDED							

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

James [Signature]

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

PAGE: (M) 8

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 002 SUSPENDED SOLIDS			EFFLUENT 003 SUSPENDED SOLIDS		
	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR GRAB MONTHLY	mg/1 NET
1						
2						
3						
4						
5						
6						
7						
8						
9						
10	2	1	2	2	1	2
11						
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24						
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26						
27						
28						
29						
30						
31						
MONTHLY AVG			ND(5)			ND(5)
MONTHLY HIGH			ND(5)			ND(5)
MONTHLY LOW			ND(5)			ND(5)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0
TIMES EXCEEDED						

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
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31 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #	
3 402003001	BEGINNING	04 / 08 / 01		ENDING	04 / 08 / 31		06	CA0003751	
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 003 SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR mg/1 NET GRAB WEEKLY WHEN 001N & 001P => 003			EFFLUENT 001N SETTL SOLIDS ml/1 GRAB WEEKLY	EFFLUENT 001 T CHROMIUM ug/1 GRAB MONTHLY	EFFLUENT 001 COPPER ug/1 GRAB MONTHLY	EFFLUENT 001 NICKEL ug/1 GRAB MONTHLY	EFFLUENT 001 ZINC ug/1 GRAB MONTHLY	
1									
2									
3									
4									
5									
6									
7				ND(0.1)					
8									
9									
10				ND(0.1)	ND(10)	ND(10)	22	13	
11									
12									
13									
14									
15									
16									
17									
18									
19									
20				ND(0.1)					
21									
22									
23									
24				ND(0.1)					
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG	NO			ND(0.1)	ND(10)	ND(10)	22	13	
MONTHLY HIGH	DISCHARGE			ND(0.1)	ND(10)	ND(10)	22	13	
MONTHLY LOW				ND(0.1)	ND(10)	ND(10)	22	13	
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 1.0 = 0	6M-MED 10 = 0	6M-MED 10 = 0	6M-MED 30 = 0	6M-MED 70 = 0	
TIMES EXCEEDED			D MAX 100 = 0	D MAX 3.0 = 0	D MAX 40 = 0	D MAX 50 = 0	D MAX 100 = 0	D MAX 380 = 0	
TIMES EXCEEDED					I MAX 100 = 0	I MAX 140 = 0	I MAX 260 = 0	I MAX 990 = 0	

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004
<i>John Hopson</i>	

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001 YEAR / MO / DAY BEGINNING 04 / 08 / 01 YEAR / MO / DAY ENDING 04 / 08 / 31 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPLE TYPE FREQ.	INFLUENT T CHROMIUM ug/1 GRAB JA/AP/JUL/OCT	INFLUENT COPPER ug/1 GRAB JA/AP/JUL/OCT	INFLUENT NICKEL ug/1 GRAB JA/AP/JUL/OCT	INFLUENT AMMONIA (N) ug/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001 AMMONIA (N) ug/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001D OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001G OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT	EFFLUENT 001H OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT
1								
2								
3								
4								
5								
6								
7								
8								
9								
10	ND(10)	ND(10)	ND(10)					
11								
12						< 3		
13								
14								
15								
16								
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18								
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21								
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24								
25								
26								
27								
28								
29								
30						< 3		
31						< 3		
MONTHLY AVG	ND(10)	ND(10)	ND(10)			** < 3		
MONTHLY HIGH	ND(10)	ND(10)	ND(10)			< 3		
MONTHLY LOW	ND(10)	ND(10)	ND(10)			< 3		
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	6M-MED 3060 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0
TIMES EXCEEDED					D MAX 12240 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0
TIMES EXCEEDED					I MAX 30600 = 0			

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** FLOW-WEIGHTED AVERAGE RESULT REPORTED.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

Steve Dym

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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STATION ANALYSIS UNITS SMPL TYPE FREQ.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #	EFFLUENT					
	BEGINNING	ENDING	BEGINNING	ENDING			001	002	003			
3 402003001	04 / 08 / 01	04 / 08 / 31	04 / 08 / 01	04 / 08 / 31	06	CA0003751	OIL & GREASE mg/1 GRAB JA/AP/JUL/OCT					
1												
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3												
4									< 3			
5												
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8												
9												
10												
11									< 3			
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28												
29												
30												
31												
MONTHLY AVG									< 3			
MONTHLY HIGH									< 3			
MONTHLY LOW									< 3			
TIMES EXCEEDED	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0
TIMES EXCEEDED	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0
TIMES EXCEEDED												

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT
Lance Hopson
Johna Hopson
DATE
10/20/2004

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #
3402003001	BEGINNING	04 / 08 / 01	ENDING	04 / 08 / 31	06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 004 OR & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 TOX CONCEN TU GRAB JA/AP/JUL/OCT	EFFLUENT 001D CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F CADMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT
1						
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MONTHLY AVG MONTHLY HIGH MONTHLY LOW						
TIMES EXCEEDED	MO AVG 15 = 0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED	D MAX 20 = 0					
TIMES EXCEEDED	6M-MED 0.26=0					

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

James Byr

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #			
3 402003001	BEGINNING	04 / 08 / 01	ENDING	04 / 08 / 31	06	CA0003751			
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F T CHROMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F COPPER ug/l 1 WEEK COMP JA/AP/JUL/OCT	
1									
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MONTHLY AVG MONTHLY HIGH MONTHLY LOW									
TIMES EXCEEDED TIMES EXCEEDED TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i> <i>Gregory M. Rueger</i>	10/20/2004

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #			
3 402003001	BEGINNING	04 / 08 / 01	ENDING	04 / 08 / 31	06	CA0003751			
STATION ANALYSIS UNITS SNPL TYPE FREQ.	EFFLUENT 001D LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F LEAD ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F MERCURY ug/l 1 WEEK COMP JA/AP/JUL/OCT	
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30									
31									
MONTHLY AVG									
MONTHLY HIGH									
MONTHLY LOW									
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED									
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i> <i>Steve Hopson</i>	10/20/2004

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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	04 / 08 / 01	ENDING	04 / 08 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPPL TYPE FREQ.	EFFLUENT 001D NICKEL ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H NICKEL ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L NICKEL ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F NICKEL ug/1 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D SILVER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H SILVER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L SILVER ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F SILVER ug/1 1 WEEK COMP JA/AP/JUL/OCT
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31								
MONTHLY AVG MONTHLY HIGH MONTHLY LOW								
TIMES EXCEEDED TIMES EXCEEDED TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

Theresa Bynum

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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
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AVILA BEACH, CALIF 93424

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FACILITY I.D. 3402003001
YEAR / MO / DAY BEGINNING 04 / 08 / 01
YEAR / MO / DAY ENDING 04 / 08 / 31
STATE CODE 06
NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D ZINC ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H ZINC ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L ZINC ug/1 QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F ZINC ug/1 1 WEEK COMP JA/AP/JUL/OCT	
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MONTHLY AVG MONTHLY HIGH MONTHLY LOW					
TIMES EXCEEDED TIMES EXCEEDED TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

Steve Ayer

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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
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PAGE: (Q) 8

FACILITY I.D. 3402003001	YEAR / MO / DAY BEGINNING 04 / 08 / 01		YEAR / MO / DAY ENDING 04 / 08 / 31		STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M COPPER mg/l 24-HR COMP. METAL CLNG	
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MONTHLY AVG MONTHLY HIGH MONTHLY LOW	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	
TIMES EXCEEDED TIMES EXCEEDED TIMES EXCEEDED	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	MO AVG 1 = 0 D MAX 1 = 0	

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i> <i>James Hys</i>	10/20/2004

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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
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PAGE: (Q) 9

FACILITY I.D. 3402003001 YEAR / MO / DAY BEGINNING 04 / 08 / 01 YEAR / MO / DAY ENDING 04 / 08 / 31 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L IRON mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M IRON mg/l 24-HR COMP. METAL CLNG	
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MONTHLY AVG MONTHLY HIGH MONTHLY LOW	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	NO DISCHARGE	
TIMES EXCEEDED	MO AVG 1=0					
TIMES EXCEEDED	D MAX 1=0					
TIMES EXCEEDED						

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER

GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT DATE

Lance Hopson 10/20/2004
Steve Hopson

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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3402003001	BEGINNING	04 / 08 / 01	ENDING	04 / 08 / 31	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001 TITANIUM ug/l GRAB OCTOBER	INFLUENT ARSENIC ug/l GRAB OCTOBER	EFFLUENT ARSENIC ug/l GRAB OCTOBER	INFLUENT CADMIUM ug/l GRAB OCTOBER	EFFLUENT 001 CADMIUM ug/l GRAB OCTOBER	INFLUENT LEAD ug/l GRAB OCTOBER	EFFLUENT 001 LEAD ug/l GRAB OCTOBER	INFLUENT ZINC ug/l GRAB OCTOBER
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31								
MONTHLY AVG							**	15
MONTHLY HIGH								15
MONTHLY LOW								15
TIMES EXCEEDED	NO LIMIT	NO LIMIT	6M-MED 30 = 0	NO LIMIT	6M-MED 10 = 0	NO LIMIT	6M-MED 10 = 0	NO LIMIT
TIMES EXCEEDED			D MAX 150 = 0		D MAX 20 = 0		D MAX 40 = 0	
TIMES EXCEEDED			I MAX 400 = 0		I MAX 50 = 0		I MAX 100 = 0	

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** INFLUENT ANALYSIS PERFORMED FOR COMPARISON TO EFFLUENTS.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

Anna Hys

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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 04 / 08 / 01		YEAR / MO / DAY ENDING 04 / 08 / 31		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT MERCURY ug/l GRAB OCTOBER	EFFLUENT 001 MERCURY ug/l GRAB OCTOBER	INFLUENT SILVER ug/l GRAB OCTOBER	EFFLUENT 001 SILVER ug/l GRAB OCTOBER	INFLUENT CYANIDE ug/l GRAB OCTOBER	EFFLUENT 001 CYANIDE ug/l GRAB OCTOBER	INFLUENT PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER	EFFLUENT 001 PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER
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31								
MONTHLY AVG MONTHLY HIGH MONTHLY LOW								
TIMES EXCEEDED	NO LIMIT	6M-MED 0.2=0	NO LIMIT	6M-MED 2.9=0	NO LIMIT	6M-MED 30=0	NO LIMIT	6M-MED 150=0
TIMES EXCEEDED		DMAX 0.8 = 0		DMAX 13.6=0		DMAX 100=0		DMAX 610= 0
TIMES EXCEEDED		IMAX 2 = 0		IMAX 35= 0		IMAX 260=0		IMAX 1530=0

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

Lance Hopson

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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
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AVILA BEACH, CALIF 93424

PAGE: (A) 3

FACILITY I.D. 3402003001	YEAR / MO / DAY BEGINNING 04 / 08 / 01		YEAR / MO / DAY ENDING 04 / 08 / 31		STATE CODE 06	NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001 CHLOR PHENOL ug/l GRAB OCTOBER	EFFLUENT 001D LITHIUM mg/l GRAB OCTOBER	EFFLUENT 001D BORON mg/l GRAB OCTOBER	EFFLUENT 001D HYDRAZINE mg/l GRAB OCTOBER	EFFLUENT 005 OIL & GREASE mg/l GRAB OCTOBER	EFFLUENT 008 OIL & GREASE mg/l GRAB OCTOBER
1							
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31							
MONTHLY AVG MONTHLY HIGH MONTHLY LOW							
TIMES EXCEEDED	NO LIMIT	6M-MED 10=0	NO LIMIT	NO LIMIT	NO LIMIT	MO AVG 15=0	MO AVG 15=0
TIMES EXCEEDED		DMAX 20=0				DMAX 20=0	DMAX 20=0
TIMES EXCEEDED		IMAX 50=0					

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D. 342003001	YEAR / MO / DAY BEGINNING 04 / 08 / 01		YEAR / MO / DAY ENDING 04 / 08 / 31		STATE CODE 06	NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 009 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 013 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 015 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 016 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 017 OIL & GREASE mg/1 GRAB OCTOBER	INFLUENT PCB'S ug/1 GRAB OCTOBER	EFFLUENT 001 PCB'S ug/1 GRAB OCTOBER
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30							
31							
MONTHLY AVG							
MONTHLY HIGH							
MONTHLY LOW							
TIMES EXCEEDED	MO AVG 15=0	NO LIMIT	NO LIMIT				
TIMES EXCEEDED	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX 20=0	DMAX20=0		
TIMES EXCEEDED							

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

Lance Hopson

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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 04 / 08 / 01		YEAR / MO / DAY ENDING 04 / 08 / 31		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001N SLUDGE MOISTURE % GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT KJLDL N mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE AMMONIA (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NITRATE (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT PHOSPHS mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE pH pH units GRAB OCTOBER	EFFLUENT 001N SLUDGE OIL & GREASE mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE BORON mg/kg GRAB OCTOBER
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31								
MONTHLY AVG MONTHLY HIGH MONTHLY LOW								
TIMES EXCEEDED TIMES EXCEEDED TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004
<i>Clare Hopson</i>	

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DISCHARGE SELF MONITORING REPORT

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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 04 / 08 / 01		YEAR / MO / DAY ENDING 04 / 08 / 31		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001N SLUDGE CADMIUM mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE COPPER mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE CHROMIUM mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE LEAD mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NICKEL mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE MERCURY mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE ZINC mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE VOLUME tons OCTOBER
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28								
29								
30								
31								
MONTHLY AVG MONTHLY HIGH MONTHLY LOW								
TIMES EXCEEDED	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	
TIMES EXCEEDED	10 mg/kg=0	250 mg/kg=0	50 mg/kg=0	50 mg/kg=0	200 mg/kg=0	2 mg/kg=0	2500 mg/kg=0	
TIMES EXCEEDED	TTLC>100=0	TTLC>2500=0	TTLC>500=0	TTLC>1000=0	TTLC>2000=0	TTLC>20=0	TTLC>5000=0	

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

Lance Hopson

APPENDIX 4

DIABLO CANYON POWER PLANT

Influent and Effluent Monitoring

September 2004

CALIFORNIA REGIONAL WATER QUALITY
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CENTRAL COAST REGION
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DISCHARGE SELF MONITORING REPORT

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PAGE: (M) 1

FACILITY I.D.	YEAR / MO / DAY			YEAR / MO / DAY			STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	04 / 09 / 01	ENDING	04 / 09 / 30	06	06	CA0003751			
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	INFLUENT TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT 001 TEMPERATURE DEGREES F METERED CONTINUOUS	DELTA TEMP TEMPERATURE DEGREES F METERED CONTINUOUS	EFFLUENT FLOW MGD RECORDED DAILY	INFLUENT pH pH UNITS GRAB MONTHLY	EFFLUENT 001 pH pH UNITS GRAB MONTHLY (**)	EFFLUENT 001P pH pH UNITS GRAB MONTHLY	EFFLUENT 002 pH pH UNITS GRAB MONTHLY		
1	55.4	74.8	19.4	2486	7.9	7.9	2	7.6	2	7.9
2	54.2	74.0	19.8	2486						
3	55.0	74.9	19.9	2486						
4	56.7	76.6	19.9	2486						
5	56.7	76.8	20.1	2486						
6	57.7	77.6	19.9	2486						
7	57.7	77.6	19.9	2486						
8	59.0	79.0	20.0	2486						
9	60.0	80.1	20.1	2486						
10	59.3	79.3	20.0	2486						
11	59.5	79.4	19.9	2486						
12	59.3	79.7	20.4	2486						
13	58.4	78.2	19.8	2486						
14	57.6	77.7	20.1	2486						
15	57.7	77.5	19.8	2486						
16	58.0	77.7	19.7	2486						
17	57.9	76.7	18.8	2486						
18	56.5	74.9	18.4	2200						
19	54.9	73.0	18.1	2486						
20	55.3	73.4	18.1	2486						
21	54.9	73.3	18.4	2486						
22	54.9	73.2	18.3	2486						
23	55.1	74.2	19.1	2486						
24	55.7	75.3	19.6	2486						
25	54.4	74.1	19.7	2486						
26	54.9	74.4	19.5	2486						
27	56.0	75.7	19.7	2486						
28	55.7	75.3	19.6	2486						
29	55.9	75.6	19.7	2486						
30	55.3	75.1	19.8	2486						
31										
MONTHLY AVG	56.7	76.2	19.5	2476	7.9	7.9		7.6		7.9
MONTHLY HIGH	60.0	80.1	20.4	2486	7.9	7.9		7.6		7.9
MONTHLY LOW	54.2	73.0	18.1	2200	7.9	7.9		7.6		7.9
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MAX 22 = 0	MAX 2760 = 0	NO LIMIT	NO LIMIT		NO LIMIT		NO LIMIT
TIMES EXCEEDED			(*)							
TIMES EXCEEDED										

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** EXCEPT DURING DEMUSSELING.
*** DAILY WHEN DISCHARGING CHEMICAL CLEANING WASTES FROM DISCHARGES 001D, F, I, L, AND/OR M.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

Lance Hopson

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

PAGE: (M) 2

FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 04 / 09 / 01		YEAR / MO / DAY ENDING 04 / 09 / 30		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 003 pH pH UNITS GRAB MONTHLY	EFFLUENT 004 pH pH UNITS GRAB MONTHLY	EFFLUENT 001N OIL & GREASE mg/l COMPOSITE WEEKLY	EFFLUENT 001P OIL & GREASE mg/l GRAB WEEKLY (**)	EFFLUENT 003 OIL & GREASE mg/l GRAB WEEKLY (**)	EFFLUENT 001F OIL & GREASE mg/l GRAB MONTHLY	EFFLUENT 001 T CHLOR RES ug/l GRAB (****) 2 per CYCLE	EFFLUENT 001 CHLORINE USED lbs/day RECORDED MONTHLY
1	7.9	7.9				< 3	13	749
2			3 < 5				18	715
3							18	566
4							< 10	662
5							< 10	662
6							< 10	662
7							< 10	662
8			3 ND(5)				< 10	706
9							< 10	778
10							< 10	806
11							< 10	806
12							< 10	806
13							< 10	763
14			3 ND(5)				< 10	670
15							< 10	619
16							< 10	602
17							< 10	595
18							< 7	528
19							< 10	634
20							< 10	634
21							< 10	634
22							< 10	634
23			3 ND(5)				22	605
24							32	576
25							24	576
26							29	576
27							18	576
28							17	576
29			3 ND(5)				13	605
30							18	662
31								
MONTHLY AVG	7.9	7.9	< 5	NO	NO	< 3	7	655
MONTHLY HIGH	7.9	7.9	5	DISCHARGE	DISCHARGE	< 3	32	806
MONTHLY LOW	7.9	7.9	ND(5)			< 3	< 7	528
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	1 MAX 200 = 0	NO LIMIT
TIMES EXCEEDED			D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0		
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
 ** WHEN 001N IS DISCHARGING TO 001P.
 *** WHEN 001P IS DISCHARGING TO 003.
 **** CONTINUOUS CHLORINE MONITORING USED INSTEAD OF GRAB SAMPLE ANALYSIS.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

Lance Hopson

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

PAGE: (M) 3

FACILITY I.D.		YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE		NPDES PERMIT #			
3 402003001		BEGINNING	04 / 09 / 01	ENDING	04 / 09 / 30	06		CA0003751			
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFF 001N=>003 TOTL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFF 001N=>003 FECAL COLIFORM MPN/100ml GRAB 4 TIMES/WEEK	EFFLUENT 001D SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY			EFFLUENT 001F SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY					
			mg/1 1st FLTR	mg/1 2nd FLTR	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR	mg/1 NET			
1						2	3	2	< 1	2	ND(5)
2											
3											
4											
5											
6					3						ND(5)
7					3						ND(5)
8											
9											
10				2	13	2	<	1	2		13
11											
12											
13					14						14
14											
15											
16											
17				2	7	2		3	2		5
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
MONTHLY AVG	NO	NO	**			5					ND(5)
MONTHLY HIGH	DISCHARGE	DISCHARGE				14					ND(5)
MONTHLY LOW						ND(5)					ND(5)
TIMES EXCEEDED	80% SMPLS>1K	MEAN>200 =	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	MO AVG 30 = 0
TIMES EXCEEDED		90 % SMPLS>400			D MAX 100 = 0						D MAX 100 = 0
TIMES EXCEEDED	1 MAX >10K										

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** FLOW-WEIGHTED AVERAGES REPORTED.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

Lance Hopson

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001 YEAR / MO / DAY BEGINNING 04 / 09 / 01 YEAR / MO / DAY ENDING 04 / 09 / 30 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001G SUSPENDED SOLIDS			EFFLUENT 001H SUSPENDED SOLIDS					
	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET			
1	3		ND(5)						
2									
3				1	< 1	ND(5)			
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG			ND(5)			ND(5)			
MONTHLY HIGH			ND(5)			ND(5)			
MONTHLY LOW			ND(5)			ND(5)			
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30=0	NO LIMIT	NO LIMIT	MO AVG 30=0			
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0			
TIMES EXCEEDED									

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

Lance Hopson

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
31 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY BEGINNING			YEAR / MO / DAY ENDING			STATE CODE	NPDES PERMIT #
3 402003001	04 / 09 / 01			04 / 09 / 30			06	CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001I SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY			EFFLUENT 001J SUSPENDED SOLIDS mg/1 1st FLTR mg/1 2nd FLTR GRAB MONTHLY				
	mg/1 1st FLTR	mg/1 2nd FLTR	mg/1 NET	mg/1 1st FLTR	mg/1 2nd FLTR	mg/1 NET		
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG	NO DISCHARGE			NO DISCHARGE				
MONTHLY HIGH	NO DISCHARGE			NO DISCHARGE				
MONTHLY LOW	NO DISCHARGE			NO DISCHARGE				
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0		
TIMES EXCEEDED			MAX 100 = 0			MAX 100 = 0		
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004
<i>James Byrnes</i>	

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001
YEAR / MO / DAY BEGINNING 04 / 09 / 01
YEAR / MO / DAY ENDING 04 / 09 / 30
STATE CODE 06
NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001K SUSPENDE SOLIDS			EFFLUENT 001L SUSPENDE SOLIDS		
	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET
1				2	< 1	
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
MONTHLY AVG	NO DISCHARGE					ND(5)
MONTHLY HIGH						ND(5)
MONTHLY LOW						ND(5)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0
TIMES EXCEEDED						

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT
Lance Hopson
DATE
10/20/2004

Lance Hopson

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3402003001
YEAR / MO / DAY BEGINNING 04 / 09 / 01
YEAR / MO / DAY ENDING 04 / 09 / 30
STATE CODE 06
NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001M SUSPENDED SOLIDS			EFFLUENT 001N SUSPENDED SLDS mg/l COMPOSITE WEEKLY	EFFLUENT 001P SUSPENDED SOLIDS		
	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET		mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET
1							
2				14	2	< 1	ND(5)
3							
4							
5							
6							
7							
8				13			
9							
10							
11							
12							
13							
14				6			
15							
16							
17							
18							
19							
20							
21							
22							
23				7			
24							
25							
26							
27							
28							
29				7			
30							
31							
MONTHLY AVG	NO DISCHARGE			9	ND(5)		
MONTHLY HIGH				14	ND(5)		
MONTHLY LOW				6	ND(5)		
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 60 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0
TIMES EXCEEDED			D MAX 100 = 0				D MAX 100 = 0
TIMES EXCEEDED							

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

Lance Hopson

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
31 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 002 SUSPENDED SOLIDS			EFFLUENT 003 SUSPENDED SOLIDS		
	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET	mg/l 1st FLTR	mg/l 2nd FLTR GRAB MONTHLY	mg/l NET
	* 2	* 4	* 2	* 8	* 2	* 8
1		< 1	< 5		< 1	
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
MONTHLY AVG			< 5			8
MONTHLY HIGH			7			8
MONTHLY LOW			ND(5)			8
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	NO LIMIT	NO LIMIT	MO AVG 30 = 0
TIMES EXCEEDED			D MAX 100 = 0			D MAX 100 = 0
TIMES EXCEEDED						

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

Lance Hopson

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 04 / 09 / 01			YEAR / MO / DAY ENDING 04 / 09 / 30			STATE CODE 06	NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPLE TYPE FREQ.	EFFLUENT 003 SUSPENDED SOLIDS mg/l 1st FLTR mg/l 2nd FLTR GRAB WEEKLY WHEN 001N & 001P => 003			EFFLUENT 001N SETTLE SOLIDS ml/l GRAB WEEKLY	EFFLUENT 001 T CHROMIUM ug/l GRAB MONTHLY	EFFLUENT 001 COPPER ug/l GRAB MONTHLY	EFFLUENT 001 NICKEL ug/l GRAB MONTHLY	EFFLUENT 001 ZINC ug/l GRAB MONTHLY	
1									
2				ND(0.1)		ND(10)	ND(10)	ND(10)	ND(10)
3									
4									
5									
6									
7									
8				ND(0.1)					
9									
10									
11									
12									
13									
14				ND(0.1)					
15									
16									
17									
18									
19									
20									
21									
22									
23				ND(0.1)					
24									
25									
26									
27									
28									
29				ND(0.1)					
30									
31									
MONTHLY AVG	NO DISCHARGE			NO	ND(0.1)	ND(10)	ND(10)	ND(10)	ND(10)
MONTHLY HIGH				DISCHARGE	ND(0.1)	ND(10)	ND(10)	ND(10)	ND(10)
MONTHLY LOW					ND(0.1)	ND(10)	ND(10)	ND(10)	ND(10)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	MO AVG 30 = 0	MO AVG 1.0 = 0	6M-MED 10 = 0	6M-MED 10 = 0	6M-MED 30 = 0	6M-MED 70 = 0	
TIMES EXCEEDED			D MAX 100 = 0	D MAX 3.0 = 0	D MAX 40 = 0	D MAX 50 = 0	D MAX 100 = 0	D MAX 380 = 0	
TIMES EXCEEDED					I MAX 100 = 0	I MAX 140 = 0	I MAX 260 = 0	I MAX 990 = 0	

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

Lance Hopson

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

PAGE: (Q) 1

FACILITY I.D. 3402003001	YEAR / MO / DAY BEGINNING 04 / 09 / 01		YEAR / MO / DAY ENDING 04 / 09 / 30		STATE CODE 06	NPDES PERMIT # CA0003751			
STATION ANALYSIS UNITS SMPLE TYPE FREQ.	INFLUENT T CHROMIUM ug/l GRAB JA/AP/JUL/OCT	INFLUENT COPPER ug/l GRAB JA/AP/JUL/OCT	INFLUENT NICKEL ug/l GRAB JA/AP/JUL/OCT	INFLUENT AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 AMMONIA (N) ug/l GRAB JA/AP/JUL/OCT	EFFLUENT 001D OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001G OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001H OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	
1	ND(10)	ND(10)	ND(10)	ND(200)	ND(200)				
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13						< 3			
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
MONTHLY AVG	ND(10)	ND(10)	ND(10)	ND(200)	ND(200)	** < 3			
MONTHLY HIGH	ND(10)	ND(10)	ND(10)	ND(200)	ND(200)	< 3			
MONTHLY LOW	ND(10)	ND(10)	ND(10)	ND(200)	ND(200)	< 3			
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	6M-MED 3060 = 0	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0	
TIMES EXCEEDED					D MAX 12240 = 0	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0	
TIMES EXCEEDED					I MAX 30600 = 0				

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** FLOW-WEIGHTED AVERAGE RESULT REPORTED.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

John Boyer

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
31 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

PAGE: (Q) 2

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	04 / 09 / 01	ENDING	04 / 09 / 30	06	CA0003751		
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001I OIL & GREASE mg/l GRAB JA/API/JUL/OCT	EFFLUENT 001J OIL & GREASE mg/l GRAB JA/API/JUL/OCT	EFFLUENT 001K OIL & GREASE mg/l GRAB JA/API/JUL/OCT	EFFLUENT 001L OIL & GREASE mg/l GRAB JA/API/JUL/OCT	EFFLUENT 001M OIL & GREASE mg/l GRAB JA/API/JUL/OCT	EFFLUENT 001P OIL & GREASE mg/l GRAB JA/API/JUL/OCT	EFFLUENT 002 OIL & GREASE mg/l GRAB JA/API/JUL/OCT	EFFLUENT 003 OIL & GREASE mg/l GRAB JA/API/JUL/OCT
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
MONTHLY AVG								
MONTHLY HIGH								
MONTHLY LOW								
TIMES EXCEEDED	MO AVG 15 = 0	MO AVG 15 = 0	MO AVG 15 = 0					
TIMES EXCEEDED	D MAX 20 = 0	D MAX 20 = 0	D MAX 20 = 0					
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

Lance Hopson

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
91 HIGUERA
SAN LUIS OBISPO, CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

PAGE: (Q) 3

FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 04 / 09 / 01		YEAR / MO / DAY ENDING 04 / 09 / 30		STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 004 OIL & GREASE mg/l GRAB JA/AP/JUL/OCT	EFFLUENT 001 TOX CONCEN TU GRAB JA/AP/JUL/OCT	EFFLUENT 001D CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L CADMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F CADMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
MONTHLY AVG						
MONTHLY HIGH						
MONTHLY LOW						
TIMES EXCEEDED	MO AVG 15 = 0	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	
TIMES EXCEEDED	D MAX 20 = 0					
TIMES EXCEEDED	6M-MED 0.26=0					

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i> <i>Thomas Hyn</i>	10/20/2004

CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
CENTRAL COAST REGION
81 HIGUERA
SAN LUIS OBISPO CA 93401

DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

PAGE: (Q) 4

FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	04 / 09 / 01	ENDING	04 / 09 / 30	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L T CHROMIUM ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F T CHROMIUM ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L COPPER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F COPPER ug/l 1 WEEK COMP JA/AP/JUL/OCT
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TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i> <i>Steve Wynn</i>	10/20/2004

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DISCHARGE SELF MONITORING REPORT

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	04 / 09 / 01	ENDING	04 / 09 / 30	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L LEAD ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F LEAD ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L MERCURY ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F MERCURY ug/l 1 WEEK COMP JA/AP/JUL/OCT
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MONTHLY LOW								
TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i> <i>[Signature]</i>	10/20/2004

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #		
3 402003001	BEGINNING	04 / 09 / 01	ENDING	04 / 09 / 30	06	CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L NICKEL ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F NICKEL ug/l 1 WEEK COMP JA/AP/JUL/OCT	EFFLUENT 001D SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L SILVER ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F SILVER ug/l 1 WEEK COMP JA/AP/JUL/OCT
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TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i> <i>[Signature]</i>	10/20/2004

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DISCHARGE SELF MONITORING REPORT

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FACILITY I.D. 3 402003001 YEAR / MO / DAY BEGINNING 04 / 09 / 01 YEAR / MO / DAY ENDING 04 / 09 / 30 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMP'L TYPE FREQ.	EFFLUENT 001D ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001H ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001L ZINC ug/l QTRLY COMP JA/AP/JUL/OCT	EFFLUENT 001F ZINC ug/l 1 WEEK COMP JA/AP/JUL/OCT	
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MONTHLY AVG MONTHLY HIGH MONTHLY LOW					
TIMES EXCEEDED TIMES EXCEEDED TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

[Handwritten Signature]

CALIFORNIA REGIONAL WATER QUALITY
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
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FACILITY I.D. 3402003001	YEAR/MO/DAY BEGINNING 04 / 09 / 01		YEAR/MO/DAY ENDING 04 / 09 / 30		STATE CODE 06	NPDES PERMIT # CA0003751
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001D COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001F COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001I COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001L COPPER mg/l 24-HR COMP. METAL CLNG	EFFLUENT 001M COPPER mg/l 24-HR COMP. METAL CLNG	
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MONTHLY AVG	NO	NO	NO	NO	NO	
MONTHLY HIGH	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	DISCHARGE	
MONTHLY LOW						
TIMES EXCEEDED	MO AVG 1 = 0					
TIMES EXCEEDED	D MAX 1 = 0					
TIMES EXCEEDED						

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

Anna Hopson

CALIFORNIA REGIONAL WATER QUALITY
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DISCHARGE SELF MONITORING REPORT

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FACILITY I.D. 3 402003001 YEAR / MO / DAY BEGINNING 04 / 09 / 01 YEAR / MO / DAY ENDING 04 / 09 / 30 STATE CODE 06 NPDES PERMIT # CA0003751

STATION ANALYSIS UNITS SMPL TYPE FREQ	EFFLUENT 001D IRON mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001F IRON mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001I IRON mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001L IRON mg/1 24-HR COMP. METAL CLNG	EFFLUENT 001M IRON mg/1 24-HR COMP. METAL CLNG
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MONTHLY AVG DISCHARGE	NO	NO	NO	NO	NO
MONTHLY HIGH					
MONTHLY LOW					
TIMES EXCEEDED	MO AVG 1 = 0				
TIMES EXCEEDED	D MAX 1 = 0				
TIMES EXCEEDED					

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT DATE
Lance Hopson 10/20/2004
Steve Ryan

CALIFORNIA REGIONAL WATER QUALITY
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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #			
3 402003001	BEGINNING	04 / 09 / 01	ENDING	04 / 09 / 30	06	CA0003751			
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 001 TITANIUM ug/l GRAB OCTOBER	INFLUENT ARSENIC ug/l GRAB OCTOBER	EFFLUENT ARSENIC ug/l GRAB OCTOBER	INFLUENT CADMIUM ug/l GRAB OCTOBER	EFFLUENT 001 CADMIUM ug/l GRAB OCTOBER	INFLUENT LEAD ug/l GRAB OCTOBER	EFFLUENT 001 LEAD ug/l GRAB OCTOBER	INFLUENT ZINC ug/l GRAB OCTOBER	
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MONTHLY HIGH									ND(10)
MONTHLY LOW									ND(10)
TIMES EXCEEDED	NO LIMIT	NO LIMIT	6M-MED 30 = 0	NO LIMIT	6M-MED 10 = 0	NO LIMIT	6M-MED 10 = 0	NO LIMIT	
TIMES EXCEEDED			D MAX 150 = 0		D MAX 20 = 0		D MAX 40 = 0		
TIMES EXCEEDED			I MAX 400 = 0		I MAX 50 = 0		I MAX 100 = 0		

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.
** INFLUENT ANALYSIS PERFORMED FOR COMPARISON TO EFFLUENTS.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

Lance Hopson

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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 04 / 09 / 01		YEAR / MO / DAY ENDING 04 / 09 / 30		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT MERCURY ug/l GRAB OCTOBER	EFFLUENT 001 MERCURY ug/l GRAB OCTOBER	INFLUENT SILVER ug/l GRAB OCTOBER	EFFLUENT 001 SILVER ug/l GRAB OCTOBER	INFLUENT CYANIDE ug/l GRAB OCTOBER	EFFLUENT 001 CYANIDE ug/l GRAB OCTOBER	INFLUENT PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER	EFFLUENT 001 PHENOLIC CMP ug/l (NONCL) GRAB OCTOBER
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TIMES EXCEEDED	NO LIMIT	6M-MED 0.2=0	NO LIMIT	6M-MED 2.9=0	NO LIMIT	6M-MED 30=0	NO LIMIT	6M-MED 150=0
TIMES EXCEEDED		DMAX 0.8 = 0		DMAX 13.6=0		DMAX 100=0		DMAX 610= 0
TIMES EXCEEDED		IMAX 2 = 0		IMAX 35= 0		IMAX 260=0		IMAX 1530=0

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
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<i>Lance Hopson</i>	10/20/2004

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DISCHARGE SELF MONITORING REPORT

PACIFIC GAS AND ELECTRIC CO.
DIABLO CANYON NUCLEAR POWER PLANT
PO BOX 56
AVILA BEACH, CALIF 93424

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FACILITY I.D.	YEAR / MO / DAY		YEAR / MO / DAY		STATE CODE	NPDES PERMIT #	
3 402003001	BEGINNING	04 / 09 / 01	ENDING	04 / 09 / 30	06	CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	INFLUENT CHLOR PHENOL ug/1 GRAB OCTOBER	EFFLUENT 001 CHLOR PHENOL ug/1 GRAB OCTOBER	EFFLUENT 001D LITHIUM mg/1 GRAB OCTOBER	EFFLUENT 001D BORON mg/1 GRAB OCTOBER	EFFLUENT 001D HYDRAZINE mg/1 GRAB OCTOBER	EFFLUENT 005 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 008 OIL & GREASE mg/1 GRAB OCTOBER
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MONTHLY HIGH							
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TIMES EXCEEDED	NO LIMIT	6M-MED 10=0	NO LIMIT	NO LIMIT	NO LIMIT	MO AVG 15=0	MO AVG 15=0
TIMES EXCEEDED		DMAX 20=0				DMAX 20=0	DMAX 20=0
TIMES EXCEEDED		IMAX 50=0					

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

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FACILITY I.D. 3 402003001	YEAR / MO / DAY BEGINNING 04 / 09 / 01		YEAR / MO / DAY ENDING 04 / 09 / 30		STATE CODE 06	NPDES PERMIT # CA0003751	
STATION ANALYSIS UNITS SMPL TYPE FREQ.	EFFLUENT 009 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 013 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 015 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 016 OIL & GREASE mg/1 GRAB OCTOBER	EFFLUENT 017 OIL & GREASE mg/1 GRAB OCTOBER	INFLUENT PCB'S ug/1 GRAB OCTOBER	EFFLUENT 001 PCB'S ug/1 GRAB OCTOBER
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TIMES EXCEEDED	MO AVG 15=0	NO LIMIT	NO LIMIT				
TIMES EXCEEDED	DMAX 20=0						
TIMES EXCEEDED							

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i>	10/20/2004

Theresa Byr

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FACILITY I.D. 3402003001	YEAR / MO / DAY BEGINNING 04 / 09 / 01		YEAR / MO / DAY ENDING 04 / 09 / 30		STATE CODE 06	NPDES PERMIT # CA0003751		
STATION ANALYSIS UNITS SAMPL TYPE FREQ.	EFFLUENT 001N SLUDGE MOISTURE % GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT KJDL N mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE AMMONIA (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE NITRATE (N) mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE TOT PHOSPHS mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE pH pH units GRAB OCTOBER	EFFLUENT 001N SLUDGE OIL & GREASE mg/kg GRAB OCTOBER	EFFLUENT 001N SLUDGE BORON mg/kg GRAB OCTOBER
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TIMES EXCEEDED	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
TIMES EXCEEDED								
TIMES EXCEEDED								

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

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<i>Lance Hopson</i>	10/20/2004

Charles Hopson

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3 402003001	BEGINNING	04 / 09 / 01	ENDING	04 / 09 / 30	06	CA0003751		
STATION ANALYSIS UNITS SMP L TYPE FREQ.	EFFLUENT 001N SLUDGE CADMIUM mg/kg GRAB	EFFLUENT 001N SLUDGE COPPER mg/kg GRAB	EFFLUENT 001N SLUDGE CHROMIUM mg/kg GRAB	EFFLUENT 001N SLUDGE LEAD mg/kg GRAB	EFFLUENT 001N SLUDGE NICKEL mg/kg GRAB	EFFLUENT 001N SLUDGE MERCURY mg/kg GRAB	EFFLUENT 001N SLUDGE ZINC mg/kg GRAB	EFFLUENT 001N SLUDGE VOLUME tons
	OCTOBER	OCTOBER	OCTOBER	OCTOBER	OCTOBER	OCTOBER	OCTOBER	OCTOBER
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TIMES EXCEEDED	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	10xSTLC=0	
TIMES EXCEEDED	10 mg/kg=0	250 mg/kg=0	50 mg/kg=0	50 mg/kg=0	200 mg/kg=0	2 mg/kg=0	2500 mg/kg=0	
TIMES EXCEEDED	TTL<100=0	TTL<2500=0	TTL<500=0	TTL<1000=0	TTL<2000=0	TTL<20=0	TTL<5000=0	

REMARKS: * NUMBER OF SAMPLES TAKEN DURING THE DAY.

PRINCIPAL EXECUTIVE OFFICER
GREGORY M. RUEGER

SIGNATURE OF AUTHORIZED AGENT	DATE
<i>Lance Hopson</i> <i>Steve Byr</i>	10/20/2004

APPENDIX 5
DIABLO CANYON POWER PLANT
Acute Bioassay
July 28 - August 1, 2004



TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

August 10, 2004

Ms. Raquel Harvey
FGL Environmental
P.O. Box 272
Santa Paula, CA 93061

Dear Ms. Harvey:

We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Guidelines for Performing Static Acute Fish Bioassays in Municipal and Industrial Waste Waters* as provided to us by Frederic R. Kopperdahl, Fish and Wildlife Water Pollution Control Laboratory, Department of Fish and Game. Results were as follows:

CLIENT:	Diablo Canyon Power Plant
SAMPLE I.D.:	Discharge 001 SP407652
PROJECT No:	SP 4083353
DATE RECEIVED:	28 July - 04
ABC LAB. NO.:	FGL0404.049

ACUTE ABALONE SURVIVAL BIOASSAY

LC50	=	100 % Survival in 100 % Sample
TUa	=	0.00

Yours very truly,

Thomas (Tim) Mikel
Laboratory Director

Env. O.P.S. Kam 2
RECEIVED
8-4-04
cc: JLK
RD#
S. Pigeon/D. Sirrpey
orig: NPDES Artly - Env. Central

-96 Hr Survival

Start Date: 07/28/2004	Test ID: FGL0704287	Sample ID: CA0000000
End Date: 08/01/2004	Lab ID: CAABC	Sample Type: EFF3-Power Plant
Sample Date: 07/28/2004	Protocol: KOP 76-Kopperdahl	Test Species: HR-Haliotis rufescens
Comments: DCPD Discharge 001 SP407652		

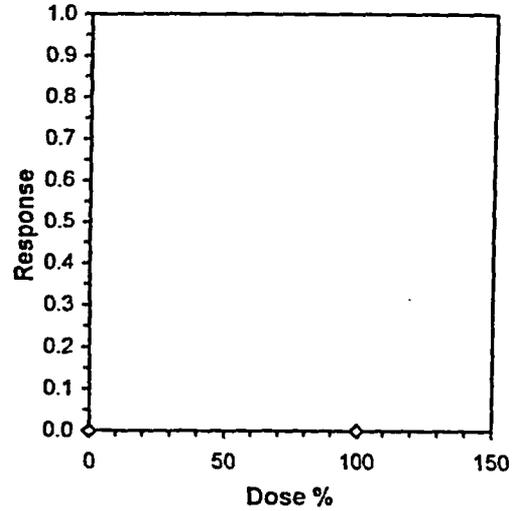
Conc-%	1	2
N Control	1.0000	1.0000
100	1.0000	1.0000

Conc-%	Mean	N-Mean	Transform: Arcsin Square Root					Isotonic	
			Mean	Min	Max	CV%	N	Mean	N-Mean
N Control	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2	1.0000	1.0000
100	1.0000	1.0000	1.4120	1.4120	1.4120	0.000	2	1.0000	1.0000

Auxiliary Tests	Statistic	Critical	Skew	Kurt
Normality of the data set cannot be confirmed				
Equality of variance cannot be confirmed				

Linear Interpolation (200 Resamples)

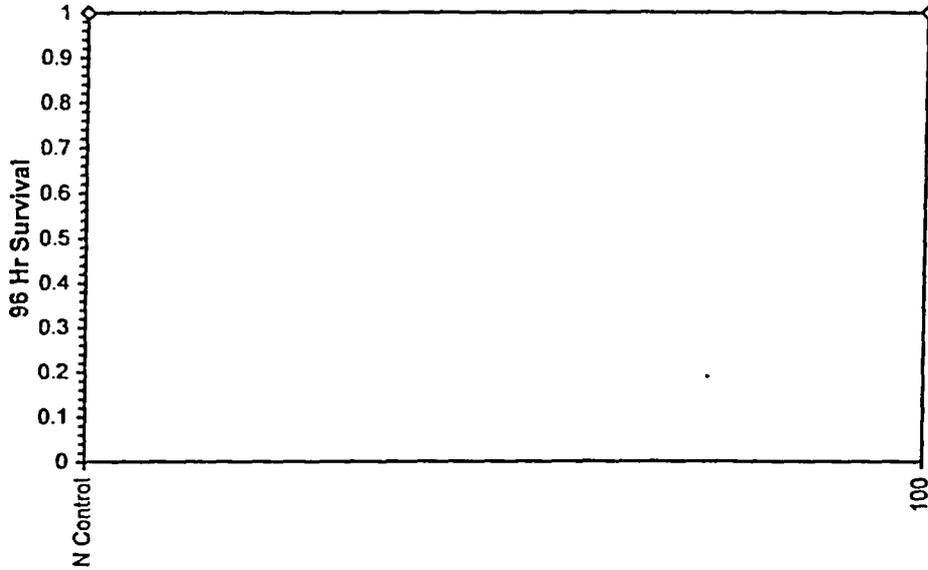
Point	%	SD	95% CL(Exp)	Skew
IC05	>100			
IC10	>100			
IC15	>100			
IC20	>100			
IC25	>100			
IC40	>100			
IC50	>100			



-96 Hr Survival

Start Date: 07/28/2004	Test ID: FGL0704287	Sample ID: CA0000000
End Date: 08/01/2004	Lab ID: CAABC	Sample Type: EFF3-Power Plant
Sample Date: 07/28/2004	Protocol: KOP 76-Kopperdahl	Test Species: HR-Haliotis rufescens
Comments: DCPD Discharge 001 SP407652		

Dose-Response Plot



-96 Hr Survival

Start Date: 07/28/2004	Test ID: FGL0704287	Sample ID: CA0000000
End Date: 08/01/2004	Lab ID: CAABC	Sample Type: EFF3-Power Plant
Sample Date: 07/28/2004	Protocol: KOP 76-Kopperdahl	Test Species: HR-Haliotis rufescens
Comments: DCPD Discharge 001 SP407652		

Auxiliary Data Summary

Conc-%	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	14.51	14.00	15.90	0.76	6.00	10
100		14.28	14.00	14.50	0.17	2.88	10
N Control	pH	7.85	7.70	7.90	0.08	3.71	10
100		7.90	7.90	7.90	0.00	0.00	10
N Control	DO mg/L	7.48	6.30	8.30	0.63	10.64	10
100		7.39	6.50	8.30	0.72	11.47	10
N Control	Salinity ppt	34.00	34.00	34.00	0.00	0.00	10
100		34.00	34.00	34.00	0.00	0.00	10
N Control		0.00	0.00	0.00	0.00		0
100		0.00	0.00	0.00	0.00		0
N Control		0.00	0.00	0.00	0.00		0
100		0.00	0.00	0.00	0.00		0

APPENDIX 6

DIABLO CANYON POWER PLANT

Chronic Bioassay

July 29 - 31, 2004



TOXICITY TESTING • OCEANOGRAPHIC RESEARCH
August 10, 2004

Ms. Raquel Harvey
FGL Environmental
P.O. Box 272
Santa Paula, CA 93060

Dear Ms. Harvey:

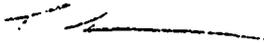
We are pleased to present the enclosed bioassay report. The test was conducted under guidelines prescribed in *Short-Term Methods for Measuring the Chronic Toxicity of Effluents and Receiving Waters to West Coast Marine and Estuarine Organisms, EPA-R-95/136*. Results were as follows:

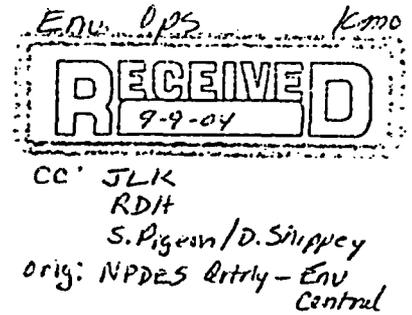
CLIENT:	FGL Environmental
SAMPLE I.D.:	DCPP001 Discharge SP407652
DATE RECEIVED:	28 July - 04
ABC LAB. NO.:	FGL0804.287

CHRONIC ABALONE LARVAL DEVELOPMENT BIOASSAY

NOEC =	100.00 %
TUc =	1.00
IC25 =	>100.00 %
IC50 =	>100.00 %

Yours very truly,


Thomas (Tim) Mikel
Laboratory Director



Abalone Larval Development Test-Proportion Normal

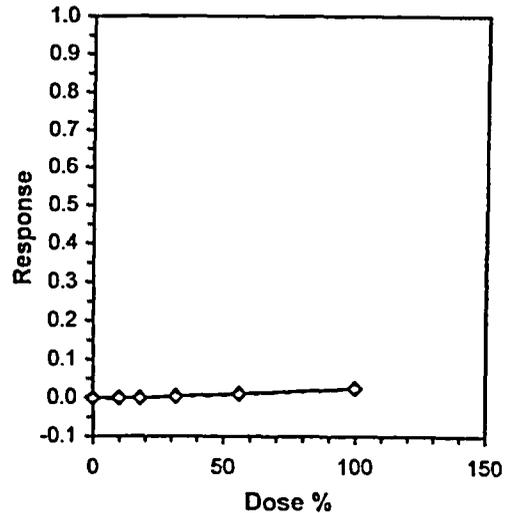
Start Date: 07/29/2004	Test ID: FGL0704287	Sample ID: CA0000000
End Date: 07/31/2004	Lab ID: CAABC	Sample Type: EFF1-POTW
Sample Date: 07/28/2004	Protocol: MBP 90-Anderson et al.	Test Species: HR-Haliotis rufescens
Comments: Discharge 001 SP407652		

Conc-%	1	2	3	4	5
N Control	0.9400	0.9500	0.9800	0.9600	1.0000
10	0.9700	0.9600	0.9600	0.9800	0.9800
18	0.9900	0.9800	0.9500	0.9400	0.9800
32	0.9600	0.9800	0.9300	0.9800	0.9700
56	0.9800	0.9300	0.9600	0.9800	0.9400
100	0.9400	0.9500	0.9100	0.9800	0.9400

Conc-%	Transform: Arcsin Square Root							1-Tailed			Isotonic	
	Mean	N-Mean	Mean	Min	Max	CV%	N	t-Stat	Critical	MSD	Mean	N-Mean
N Control	0.9660	1.0000	1.3975	1.3233	1.5208	5.679	5				0.9680	1.0000
10	0.9700	1.0041	1.3987	1.3694	1.4289	2.127	5	-0.031	2.360	0.0876	0.9680	1.0000
18	0.9680	1.0021	1.3994	1.3233	1.4706	4.452	5	-0.050	2.360	0.0876	0.9680	1.0000
32	0.9640	0.9979	1.3854	1.3030	1.4289	3.777	5	0.327	2.360	0.0876	0.9640	0.9959
56	0.9580	0.9917	1.3707	1.3030	1.4289	4.254	5	0.722	2.360	0.0876	0.9580	0.9897
100	0.9440	0.9772	1.3374	1.2661	1.4289	4.410	5	1.620	2.360	0.0876	0.9440	0.9752

Auxiliary Tests	Statistic	Critical	Skew	Kurt						
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.96525	0.9	0.27325	-0.5191						
Bartlett's Test indicates equal variances (p = 0.67)	3.18257	15.0863								
Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU	MSDu	MSDp	MSB	MSE	F-Prob	df
Dunnett's Test	100	>100		1	0.03681	0.03794	0.00295	0.00345	0.52449	5, 24

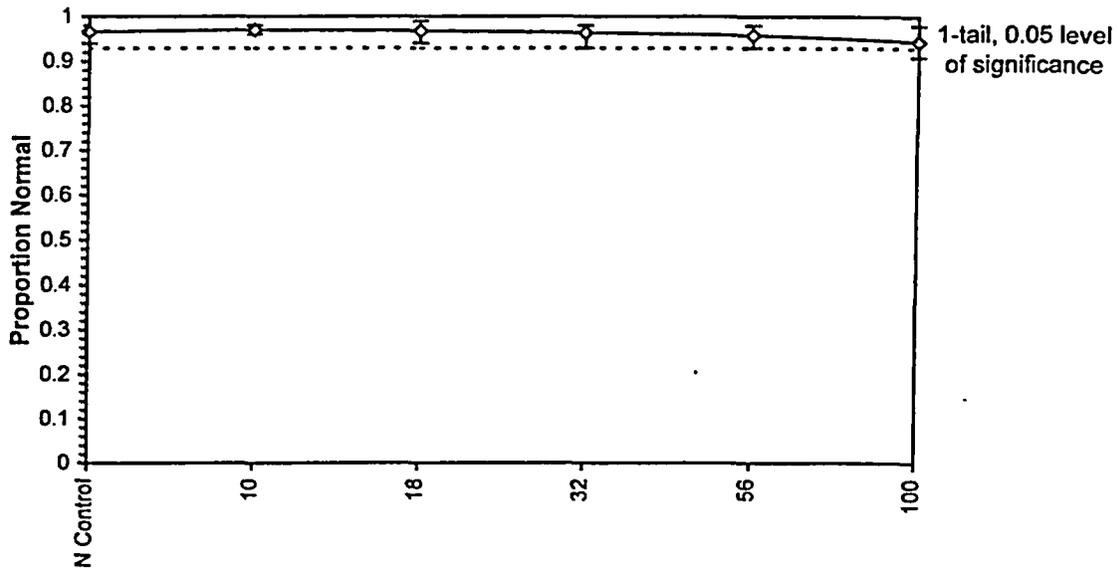
Linear Interpolation (200 Resamples)				
Point	%	SD	95% CL(Exp)	Skew
IC05	>100			
IC10	>100			
IC15	>100			
IC20	>100			
IC25	>100			
IC40	>100			
IC50	>100			



Abalone Larval Development Test-Proportion Normal

Start Date: 07/29/2004 Test ID: FGL0704287 Sample ID: CA0000000
End Date: 07/31/2004 Lab ID: CAABC Sample Type: EFF1-POTW
Sample Date: 07/28/2004 Protocol: MBP 90-Anderson et al. Test Species: HR-Haliotis rufescens
Comments: Discharge 001 SP407652

Dose-Response Plot



Abalone Larval Development Test-Proportion Normal

Start Date: 07/29/2004	Test ID: FGL0704287	Sample ID: CA0000000
End Date: 07/31/2004	Lab ID: CAABC	Sample Type: EFF1-POTW
Sample Date: 07/28/2004	Protocol: MBP 90-Anderson et al.	Test Species: HR-Haliotis rufescens
Comments: Discharge 001 SP407652		

Auxiliary Data Summary

Conc-%	Parameter	Mean	Min	Max	SD	CV%	N
N Control	Temp C	15.25	15.00	15.50	0.35	3.90	2
10		15.15	14.80	15.50	0.49	4.64	2
18		15.15	14.80	15.50	0.49	4.64	2
32		15.15	14.80	15.50	0.49	4.64	2
56		15.15	14.80	15.50	0.49	4.64	2
100		15.15	14.80	15.50	0.49	4.64	2
N Control	pH	7.95	7.90	8.00	0.07	3.34	2
10		7.95	7.90	8.00	0.07	3.34	2
18		7.95	7.90	8.00	0.07	3.34	2
32		7.95	7.90	8.00	0.07	3.34	2
56		7.95	7.90	8.00	0.07	3.34	2
100		7.95	7.90	8.00	0.07	3.34	2
N Control	DO	6.60	6.20	7.00	0.57	11.40	2
10		6.20	5.50	6.90	0.99	16.05	2
18		5.95	5.50	6.40	0.64	13.41	2
32		5.95	5.50	6.40	0.64	13.41	2
56		6.00	5.60	6.40	0.57	12.54	2
100		5.95	5.50	6.40	0.64	13.41	2
N Control	Salinity ppt	34.00	34.00	34.00	0.00	0.00	2
10		34.00	34.00	34.00	0.00	0.00	2
18		34.00	34.00	34.00	0.00	0.00	2
32		34.00	34.00	34.00	0.00	0.00	2
56		34.00	34.00	34.00	0.00	0.00	2
100		34.00	34.00	34.00	0.00	0.00	2



TOXICITY TESTING • OCEANOGRAPHIC RESEARCH

CHRONIC ABALONE DEVELOPMENT BIOASSAY

DATE: 29 July - 04

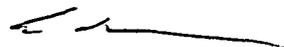
STANDARD TOXICANT: Zinc

NOEC = 18.00 ug/l

IC25 = 34.68 ug/l

IC50 = 42.14 ug/l

Yours very truly,



Thomas (Tim) Mikel
Laboratory Director

Abalone Larval Development Test-Proportion Normal

Start Date: 07/29/2004	Test ID: ABS12.2004	Sample ID: REF-Ref Toxicant
End Date: 07/31/2004	Lab ID: ABC LABS	Sample Type: ZNSO-Zinc sulfate
Sample Date: 07/29/2004	Protocol: MBP 90-Anderson et al.	Test Species: HR-Haliotis rufescens
Comments: Standard Toxicant		

Conc-ug/L	1	2	3	4	5
Control	0.8700	0.9600	0.9600	0.9900	0.9600
18	0.8700	0.9000	0.9000	0.9200	0.8800
32	0.6700	0.7600	0.7900	0.9000	0.8600
56	0.0000	0.0600	0.0100	0.0600	0.0400
100	0.0000	0.0000	0.0000	0.0000	0.0000

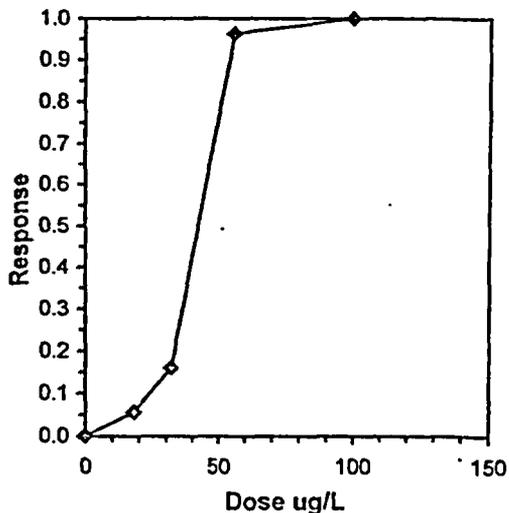
Conc-ug/L	Mean	N-Mean	Transform: Arcsin Square Root					N	t-Stat'	1-Tailed Critical	MSD	Isotonic	
			Mean	Min	Max	CV%	Mean					N-Mean	
Control	0.9480	1.0000	1.3562	1.2019	1.4706	7.132	5				0.9480	1.0000	
18	0.8940	0.9430	1.2402	1.2019	1.2840	2.575	5	2.076	2.230	0.1245	0.8940	0.9430	
*32	0.7960	0.8397	1.1098	0.9589	1.2490	10.175	5	4.412	2.230	0.1245	0.7960	0.8397	
*56	0.0340	0.0359	0.1693	0.0500	0.2475	53.042	5	21.252	2.230	0.1245	0.0340	0.0359	
100	0.0000	0.0000	0.0500	0.0500	0.0500	0.000	5				0.0000	0.0000	

Auxiliary Tests	Statistic	Critical	Skew	Kurt						
Shapiro-Wilk's Test indicates normal distribution (p > 0.01)	0.95954	0.868	-0.3944	-0.2171						
Bartlett's Test indicates equal variances (p = 0.19)	4.80651	11.3449								
Hypothesis Test (1-tail, 0.05)	NOEC	LOEC	ChV	TU	MSDu	MSDp	MSB	MSE	F-Prob	df
Dunnett's Test	18	32	24		0.06533	0.06843	1.47134	0.0078	1.1E-12	3, 16

Linear Interpolation (200 Resamples)

Point	ug/L	SD	95% CL(Exp)	Skew
IC05*	15.800	3.893	7.011 27.585	0.4629
IC10	23.829	3.664	17.099 36.905	0.6463
IC15	30.600	2.823	21.477 35.572	-0.7026
IC20	33.184	1.575	26.508 36.323	-1.5831
IC25	34.677	1.151	31.266 37.639	-0.8748
IC40	39.156	0.883	36.395 41.568	-0.5179
IC50	42.142	0.736	39.837 44.175	-0.4818

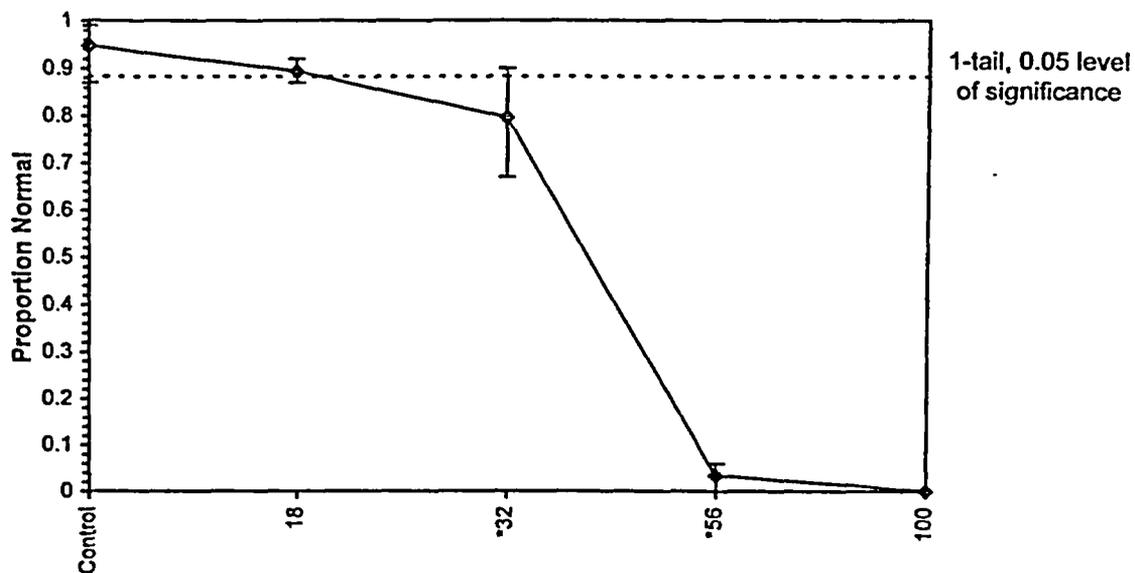
* indicates IC estimate less than the lowest concentration



Abalone Larval Development Test-Proportion Normal

Start Date: 07/29/2004 Test ID: ABS12.2004 Sample ID: REF-Ref Toxicant
End Date: 07/31/2004 Lab ID: ABC LABS Sample Type: ZNSO-Zinc sulfate
Sample Date: 07/29/2004 Protocol: MBP 90-Anderson et al. Test Species: HR-Haliotis rufescens
Comments: Standard Toxicant

Dose-Response Plot



Abalone Larval Development Test-Proportion Normal

Start Date: 07/29/2004	Test ID: ABS12.2004	Sample ID: REF-Ref Toxicant
End Date: 07/31/2004	Lab ID: ABC LABS	Sample Type: ZNSO-Zinc sulfate
Sample Date: 07/29/2004	Protocol: MBP 90-Anderson et al.	Test Species: HR-Haliotis rufescens
Comments: Standard Toxicant		

Auxiliary Data Summary

Conc-ug/L	Parameter	Mean	Min	Max	SD	CV%	N
Control	Temp C	15.25	15.00	15.50	0.35	3.90	2
18		15.25	15.00	15.50	0.35	3.90	2
32		15.25	15.00	15.50	0.35	3.90	2
56		15.25	15.00	15.50	0.35	3.90	2
100		15.25	15.00	15.50	0.35	3.90	2
Control	pH	7.95	7.90	8.00	0.07	3.34	2
18		7.95	7.90	8.00	0.07	3.34	2
32		7.95	7.90	8.00	0.07	3.34	2
56		7.95	7.90	8.00	0.07	3.34	2
100		7.95	7.90	8.00	0.07	3.34	2
Control	DO mg/L	6.60	6.20	7.00	0.57	11.40	2
18		6.40	5.80	7.00	0.85	14.39	2
32		6.15	5.30	7.00	1.20	17.83	2
56		6.10	5.40	6.80	0.99	16.31	2
100		6.00	5.30	6.70	0.99	16.58	2
Control	Salinity ppt	34.00	34.00	34.00	0.00	0.00	2
18		34.00	34.00	34.00	0.00	0.00	2
32		34.00	34.00	34.00	0.00	0.00	2
56		34.00	34.00	34.00	0.00	0.00	2
100		34.00	34.00	34.00	0.00	0.00	2



Subcontract Chain of Custody

AP/12

CLIENT DETAILS:

Client: FGL Environmental
 Address: 853 Corporation Street
Santa Paula, CA 93061
 Phone: (805) 659-0910 Fax: (805) 525-4172
 Project: 4071052 Contact Person: SAM

REPORT INFORMATION:

Rush Analysis: 5 days 4 days 3 days 2 days 24 hours

Electronic Data Transfer: YES / NO

If yes, To: State _____ Client _____ Other _____

REMARKS:

SAMPLING:

Sampler(s)
RICHARD DOWG

Sample Number	Location/Description	Date Sampled	Time Sampled	Type of Sampling: Composite(C) Grab(G)	Number of Containers	Type of Containers: (G) Glass (P) Plastic (V) VOA (MT) Metals Tube	(F) Potable (NP) Non-Potable	(SW) Surface Water (MW) Monitoring Well (GW) Ground Water (TB) Travel Blank (WW) Waste Water (DW) Drinking Water	(S) Soil (SLG) Sludge (SLD) Solid (O) Oil	Preservative: (1) NaOH + ZnAc (2) NaOH (3) HCl (4) H2SO4 (5) HNO3 (6) Na2S2O3 (7) Other _____	ANALYSIS REQUESTED									
1.	DCPP COI DISCHARGE	7-28-04	0900	G	1	P	NP	WW	-	-	Juvenile ACUTE TOXICITY - RED ABALONE	X								
2.	DCPP COI DISCHARGE	7-28-04	0900	C	1	P	NP	WW	-	-	CHRONIC TOXICITY - RED ABALONE		X							

CUSTODY:

Relinquished by: [Signature] Date: 7/28/04 Time: 4:00 PM Relinquished by: [Signature] Date: 7/28/04 Time: 1610
 Received by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____

CLIENT DETAILS SECTION I

Client: PL+E DIABLO CANYON

New Customer Customer Number: _____

Address: P.O. Box 56
AVILA BEACH, CA 93424

Phone: (805) 545-3471

FAX: (805) 545-3065

Project name: OTRLY TOXICITY

Contact person: _____

Billing Information (if different from above)

Name: _____

Address: _____

Phone: _____

FAX: _____

Contact person: _____

Purchase order/contract/FGL quote number: _____

Pre Log Required: yes Frequency: Monthly Weekly Quarterly Other

SAMPLING SECTION II

Sampler (s): R. DONG

Comp Sampler Set up Date: 7-27-04 Time: 8900

Time: _____ Mileage: _____

Shipping Charge: _____ Pickup Charge: _____

REPORT INFORMATION SECTION III

Rush Analysis (surcharge will apply):

5 Day 4 Day 3 Day

2 Day 24 hour

Rush pre-approval by lab: _____

Electronic Data Transfer: yes no

If yes, To: State _____ City _____ Other _____

Lab number: 4071052

SAMPLE INFORMATION SECTION IV

Sample Number	Location/Description	Date Sampled	Time Sampled	Type of Sampling: Composite(C) Grab(G)	Number of Containers	Type of Containers: (G) Glass (P) Plastic (V) VOA (MT) Metal Tube	(P) Potable (NP) Non-Potable	(S) Soil (SLG) Sludge (SLD) Solid (O) Oil	BacT: (Sys) System (SRC) Source (W) Waste	BacT: Routine (ROUT) Repeat (RPT) Other (OTH) Replace (RPL)	(LT) Leaf Tissue (PET) Petiole Tissue (PRD) Produce	Preservative: (1) NaOH + ZnAc, (2) NaOH, (3) HCl, (4) H2SO4, (5) HNO3, (6) Na2S2O3, (7) Other
DCPP -	DCPP 001 DISCHARGE	7-28-04	0900	G	1	P	NP	WN	NA	NA	NA	NA
DCPP -	11	7-28-04	0900	C	1	P	NP	WN	1	1	1	1

ANALYSES REQUESTED

*ACUTE TOXICITY - RED ALGAE
CHRONIC TOXICITY - RED ALGAE*

To Lab D/I:

REMARKS SECTION V

CUSTODY SECTION VI

Relinquished by and subject to the terms and conditions on the reverse of this document:

Relinquished by: Richard Davis (PL) Date: 7/28/04 Time: 1022

Received by: [Signature] Date: 7/28/04 Time: 10:22

Relinquished by: [Signature] Date: 7/28 Time: 1005

Received by: _____ Date: _____ Time: _____